

NASA
Reference
Publication
1297, Vol. 1

May 1993

Bonner Durchmusterung

Volume 1



(NASA-RP-1297-Vol-1) BONNER
DURCHMUSTERUNG, VOLUME 1 (NASA)
472 p

N93-27382

Unclass

H1/89 0165074

NASA

[The body of the document contains several columns of extremely faint, illegible text, likely bleed-through from the reverse side of the page. The text is too light to transcribe accurately.]

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Errata

The series of NASA Reference Publications numbered RP 1297 through 1300 has been printed without the final page of tabular information in each volume. The series consists of the following titles:

Document	Title	Volume	Pg. missing
RP 1297	<i>Bonner Durchmusterung</i>	Volume I	p. 457
		Volume II	p. 447
RP 1298	<i>Bonner Durchmusterung</i> <i>(Southern Durchmusterung)</i>	Volume III	p. 375
RP 1299	<i>Cordoba Durchmusterung</i>	Volume I	p. 446
		Volume II	p. 415
		Volume III	p. 424
		Volume IV	p. 423
RP 1300	<i>Cape Photographic Durchmusterung</i>	Volume I	p. 424
		Volume II	p. 440
		Volume III	p. 401

Please insert these pages in all copies of the series. We regret any inconvenience this has caused.

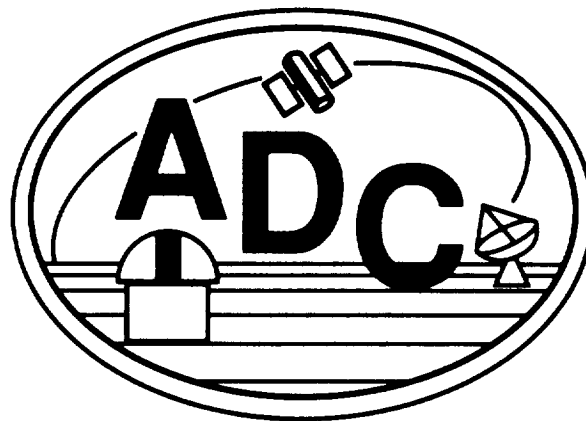
**NASA
Reference
Publication
1297, Vol. I**

1993

Bonner Durchmusterung

Volume I

*Compiled by
Astronomical Data Center,
National Space Science Data Center
Goddard Space Flight Center
Greenbelt, Maryland*



NASA

National Aeronautics and
Space Administration
Office of Management
Scientific and Technical
Information Program

1 Introduction

The *Bonner Durchmusterung* (BD, Argelander 1859-62, Küstner 1903, Becker 1951, Schmidt 1968) is a visual survey of stars in the declination zones $+89^\circ$ to -01° . The survey, completed by Argelander and his assistants in the years 1852-1861, was performed and the stars cataloged by allowing the telescope to drift along the mean declination of each zone and recording the positions and magnitudes of stars crossing the transit line of each field. The goal of the survey was to obtain a position and estimated visual magnitude for every star visible with the 78-mm Bonn telescope. Actual magnitude estimates were made and reported to 0.1 mag for all stars down to 9.5 mag, with fainter stars being assigned to 9.5. Thus, the BD actually contains a number of stars fainter than 10.0 mag.

No corrections or changes have been incorporated into the original data, except those listed in the tables below *e.g.*, from more modern positions and magnitudes or from comparison with other catalogs. For more detailed descriptions of how the observations were made and for statistics of star counts and distributions within each zone, the source references should be consulted. The reader can also find additional information on the compilation and scale of the BD, published in English, in papers by Pickering (1885, see pages 361 and 478; 1892; 1913).

2 Source References

Argelander, F. W. A. 1859-1862, *Bonner Sternverzeichniss*, erste bis dritte Sektion, *Astronomischen Beobachtungen auf der Sternwarte des Königlichen Rhein.*, Friedrich-Wilhelms-Universität zu Bonn, Bände 3-5.

Becker, F. 1951, *Bonner Durchmusterung*, Nördlicher Teil, Deklinations-Zonen -1° bis $+89^\circ$ Sternverzeichnis, dritte, berichtigte Auflage (Bonn: Ferd. Dümmlers Verlag).

Küstner, F. 1903, *Bonner Durchmusterung des Nördlichen Himmels*, zweite berichtigte Auflage, Bonn Universitäts Sternwarte (Bonn: A. Marcus und E. Weber's Verlag).

Schmidt, H. 1968, *Bonner Durchmusterung*, Nördlicher Teil, Deklinations-Zonen -1° bis $+89^\circ$ Sternverzeichnis, vierte Auflage (Bonn: Ferd. Dümmlers Verlag).

3 History

The data in the machine-readable *Bonner Durchmusterung* were keypunched directly from the published catalogs through the collaborative efforts of personnel at l'Observatoire de Nice ($+59^\circ$ through $+30^\circ$) and the Centre de Données Astronomiques de Strasbourg (CDS) ($+89^\circ$ through $+60^\circ$).

Zones $+89^\circ$ to $+60^\circ$ were also verified at the CDS and zones $+59^\circ$ to $+26^\circ$ were proofread there. All zones were carefully examined, checked for sequencing and record counts, reformatted, and merged in the correct order at the ADC, where the final catalog was assembled. An earlier catalog prepared by Warren and Kress (1980) was used to check supplemental entries in the Nice and CDS zones. The published corrigenda lists were cross checked extensively against the reprinted editions of the catalog. Apparent discrepancies were checked on the BD charts and on

the prints of the Vehrenberg *Atlas Stellarum*. The final catalog was run through a verification program that checked numerical sequencing of the BD numbers, monotonic increase in right ascension, and allowed data ranges. All cases where stars are out of RA order were checked in the original data to verify that their positions are as in the original catalog.

All stars are not strictly in right ascension order within each zone. This is because individual stars are occasionally out of RA order in the original catalog and because of corrections inserted from the corrigenda.

4 The Catalog

As in the original catalog, the positions are for the equinox 1855. Each page is headed by two sets of numbers: the DM number and the right ascension for the first and for the last entries on the page.

All lower case letters represent supplemental (footnoted) stars added to the catalog in the 1903 or later editions. Upper case letters and other characters are flags that indicate changes to the original data or to the status of a star in the catalog. They have the following meanings:

- * Data have been corrected as a result of corrigenda, or there are special notes associated with the star. All changes are given in Section 5.5 with appropriate notes.
- ? Existence of star was questioned by Küstner in the 1903 edition or in one of his or Sticker's corrigenda lists. Many of these stars contain the "M" flag instead of the "?" because they were later investigated as a result of other lists (see "M" below). A list of these stars is given in Table 4.
- D The star has been deleted in a later edition of the catalog. This was done by overstriking entries with horizontal lines. These stars are listed Table 3.
- M The star was noted as "missing" in lists published by Chandler (1896) or by Pickering (1907). These entries were verified by R. A. Downes and at the ADC, and they are listed in Section 5.4, where the work by Dr. Downes is discussed in more detail.

The visual magnitude is as estimated by the observer. A magnitude code is used to denote non-numerical entries in the published catalogs. The following codes are used:

20.0 *neb* (denoting a nebula);

30.0 *var* (denoting variability);

40.0 *nova* or *nova?*;

50.0 *cum* (denoting the total, integrated magnitude estimate for a cluster of stars).

5 Deletions and Additions

As mentioned previously, the data for many BD stars have been changed since the publication of the original catalog by Argelander. These changes occurred through the corrigenda published in the 1903 edition and in separate lists by Küstner (1908, 1918, 1925) and Sticker (1935, 1936, 1938). The incorporation of changes to the data is indicated by the flagging of individual records. Quite a few supplemental stars were either added outright in the corrigenda, or were deleted or modified there. These are suffixed by lower case letters. All changes listed in the various papers were checked in the 1968 microedition. This was done in the edition available at the ADC by scanning the entire catalog with a magnifying glass to locate handwritten changes and added supplemental stars.

5.1 Supplemental Stars from the Corrigenda

Tables 1 and 2 list supplemental stars that were either added or had their designations changed via published lists of corrigenda. These lists enable the user to resolve differences between the present machine-readable version and the 1903 edition of the published catalog, which is the most widely available edition. Two stars ($+36^{\circ} 4154a$, $+34^{\circ} 2119a$) were not published in any of the corrigenda cited above and were only found during review of the 1968 microedition. One supplemental star was deleted: $+46 1767a$.

5.2 Deleted Stars

The reprinted editions of the BD do not explicitly list stars deleted from the catalog because they could not be found at a later date. These deletions are only indicated in the published corrigenda of Küstner and Sticker, but stars were overstruck with horizontal lines in both the 1903 and the 1951 and 1968 microeditions. There are even cases where stars were overstruck in the 1903 edition then reactivated in the published corrigenda – these are noted in the table of changes below. One serious difficulty with the 1903 edition is that no separate table of overstruck stars is given there and the deleted entries could only be found by reviewing the entire catalog manually. Table 3 lists all stars having a “D” in byte 11 of the catalog. The original data for these stars remain intact in the catalog, but it is clearly not desirable to plot them on charts if they really are “missing” in the sky. Obviously, many of these objects are “missing” either because of errors in the recording of their positions (thus placing them in the wrong locations in the catalog) or because they are variables that were brighter at the time of original observation than they were at later times when verification was attempted.

5.3 Stars of Questionable Existence

Stars of questionable existence are indicated by the presence of “?” in the right-most column of the 1903 edition of the BD. They were also indicated in later lists published by Küstner and by Sticker with the remark “? hinzufügen.” These entries have been flagged with a “?”. Some of these stars were also included in the lists of Chandler (1896) and Pickering (1907) and, therefore, were investigated by R. A. Downes. In such cases, the “M” flag was retained in place

+78 314a	+48 1783a	+45 3141a	+42 4100a	+33 21a
+70 68a	+48 1986a	+44 312a	+42 4611a	+33 1429a
+70 68b	+48 2827a	+44 1308a	+41 312a	+33 4238a
+67 1076a	+48 3799a	+44 2480a	+41 1607a	+32 4341a
+58 1096a	+47 630a	+44 2721a	+41 1608a	+32 4668a
+57 2864a	+47 1278a	+44 3419a	+41 2269a	+31 366a
+56 606a	+47 3074a	+43 1164a	+41 2680b	+31 2042a
+56 2616a	+47 3202a	+43 1784a	+41 3640a	+30 420a
+50 242a	+46 489a	+43 2563a	+40 260a	+30 4456a
+50 1907a	+46 499a	+43 3248a	+40 2004a	
+49 80a	+46 2755a	+43 3913a	+40 2006a	
+49 937a	+46 2844a	+43 4086a	+40 3209a	
+49 1405a	+46 2886a	+43 4119a	+40 4729a	
+49 1571a	+46 2912a	+43 4388a	+39 4869a	
+49 2117a	+46 3116a	+42 376a	+37 3418b	
+49 3452a	+46 3934a	+42 401a	+36 4154a	
+49 3546a	+45 513a	+42 1084a	+35 180a	
+49 4309a	+45 1068a	+42 1798a	+34 527a	
+48 1302a	+45 1073a	+42 2954a	+34 666a	
+48 1391a	+45 1215a	+42 3093a	+34 2119a	
+48 1538a	+45 3139a	+42 3785a	+34 4595a	

Table 1: Supplemental BD Stars Added in Reprinted Edition

+67 424a changed to +67 423a
+48 1302a changed to +48 1302b, +48 1302a added
+43 3579a changed to +43 3576a
+40 4729a changed to +40 4729b, +40 4729a added
+34 2117a changed to +34 2119a
+33 3581a changed to +33 3582a

Table 2: Modifications of Original Supplemental Numbers

+70 68	+47 4317	+36 4820
+57 488	+46 1767	+35 3909
+56 2292	+46 2469	+34 1527
+53 3099	+45 1858	+34 3731
+49 4032	+41 1939	+33 2212
+48 2347	+41 3166	+32 1975
+47 2024	+36 2876	+30 583
+47 2795	+36 4816	

Table 3: Stars Deleted by Overstriking

of the “?” to indicate that further investigation did reveal the stars not to be present at their nominal positions. For reference purposes, the “?” stars are listed in Table 4. As with the “D” flag for deleted supplemental stars, supplemental stars of questionable existence have had the “a” replaced with the “?” code. Also included in the table are stars having “?” in the 1903 edition that was later deleted in the published corrigenda with the remark “? in 2. Auflage tilgen.” These stars are flagged with daggers (†) and are not coded with a “?” in the catalog. Finally, there are two stars with “?” in the 1903 edition that were later deleted entirely in the published corrigenda lists.

+63 1620	+37 855	+34 551	+32 1636
+59 1701	+37 903	+34 893	+32 2745
+56 2612†	+36 2287	+34 2384	+32 3363
+44 1727	+35 2385	+33 460	+31 1725
+43 3749	+34 447	+32 646	+30 1923
+39 298			

Table 4: Questionable Stars Flagged with “?”

5.4 Missing Stars

Lists of “missing” stars were published by Chandler (1896) and Pickering (1907). The former list clearly pertains to the original published catalog, while the latter may also apply to the 1903 edition. None of these stars had yet been overstruck in the latest (1968) edition of the published catalog. All stars in these lists were checked on the *Palomar Observatory Sky Survey* (POSS) prints by R. A. Downes of Applied Research Corporation, who also checked the literature rather thoroughly (but not necessarily conclusively) for papers that might have solved their “missing” nature. Dr. Downes states that confirmation indicates that there is no bright non-BD star within 2 arcmin of a nominal position, although some stars (noted in the following table) have bright non-BD stars within 10 arcmin of their nominal positions, and, therefore, are possible small coordinate errors in the BD.

The original list of Dr. Downes had nine unconfirmed cases and eight other stars were found in the three volumes of the *Bonner Durchmusterung* either to have been referred to in the literature or to have alternate identifications in other catalogs. This was discovered by querying the SIMBAD data bank for all stars on the original list. These 17 special cases were checked on charts of the Vehrenberg *Atlas Stellarum*. Four stars were removed from the list as a result of this check and one star, in Volume 2, which also has HDE and AGK3 identifications, was found to contain an error in the BD declination. The NLTT (Luyten 1979, 1980; Luyten and Hughes 1980) and *Lowell Proper Motion Survey* (Giclas, Burnham, and Thomas 1971) catalogs were also checked for possible high proper-motion stars: none was found.

+48 869†	+35 2345†	+31 2005†
+42 1196†	+35 2385 ²	+30 1588
+42 3891	+33 770 ¹	+30 1880
+41 1489	+33 1266†	+30 1882
+40 2522	+33 1613	+30 4511
+38 2227†	+32 1636† ³	

Table 5: Stars Detected as “Missing” and Flagged with “M”

Notes to Table

- † Non-BD star within 10 arcmin of nominal BD position.
- 1 Star of approximately 13 mag at nominal position.
- 2 There is a “?” in the 1903 edition. No star could be found on the POSS prints or on the Vehrenberg *Atlas Stellarum* chart.
- 3 There is a “?” in the 1903 edition of the BD (see Table 4).

5.5 Other Changes

A list of corrigenda to the original catalog was published by Küstner in Volume 1 of the 1903 edition, but changes were not actually made in the catalog proper. However, there are other cases where changes to data were made in the catalog and are not listed in the corrigenda. These changes were detected during the course of working with the catalog and are indicated by a remark “Changed in 1903 edition.” Numerous changes were made in the published corrigenda of Küstner (1908, 1918, 1925) and Sticker (1935, 1936, 1938), and these were incorporated into the 1951 and 1968 microeditions. The handmade changes in the 1903 edition were happened upon by chance as the work proceeded (no systematic search was made). Therefore, it is possible that there are more of these in the 1903 edition, and some might have been missed in the 1968 edition (if not included in published lists).

Other changes discovered during the course of the work were also made. In order to preserve a record of the miscellaneous changes not included in the tables of specific types of modifications (inserted, deleted, questionable, “missing”) given in the previous tables, the following table lists all such changes, with brief notes to explain anomalies. Since changes to data for supplemental stars could not be indicated with codes without deleting the supplemental letter designations, these are given in the table with explanatory notes.

Star	Datum	For	Read	Remarks
+88 117	vis. mag.	30.0	8.7	
+84 24	declination	55.8	44.8	
+80 25	declination	57.8	54.7	
+80 193	declination	11.7	21.7	
+79 674	right ascension - min	31	32	32 omitted in published version; chart consulted.
+73 533	vis. mag.	9.5	30.0	
+72 840	right ascension - sec	48.	40.	Puts out of order with 839.
+72 918	declination	49.6	19.6	
+71 148	right ascension - sec	23.	7.	
+70 68				Replaced by +70 68a, +70 68b (Sticker 1938).
+69 588	right ascension - sec	52.	42.	
+69 979	vis. mag.	9.3	9.5	
+67 424a	DM	424a	423a	Changed by Küstner (1908).
+67 424a	vis. mag.	8.5	9.0	
+67 424a	right ascension - min	6	5	
+67 562	declination	5.8	7.0	
+66 792	declination	56.4	58.4	
+65 1469	declination	16.2	18.2	
+64 1513	vis. mag.	9.3	9.5	
+61 293	declination	34.5	33.5	
+61 1008	right ascension - min	42	41	Puts out of order with 1007.
+61 1250	declination	54.7	52.7	
+60 982	right ascension - sec	18.6	20.1	
+60 982	declination	39.0	37.8	
+57 1534	right ascension - min	42	43	
+57 2861	vis. mag.	8.5	9.0	
+57 2861	right ascension - sec	12.5	18.5	Puts out of sequence with 2862-3.
+57 2861	declination	22.3	23.4	
+56 1400	vis. mag.	7.5	30.0	
+55 2135	right ascension - sec	17.5	23.0	
+55 2886	right ascension - sec	17.5	12.5	
+54 1068	right ascension - sec	34.3	33.3	
+54 1736	declination	25.9	24.9	

Star	Datum	For	Read	Remarks
+52 86	right ascension - sec	6.3	7.3	
+52 1172	right ascension - min	56	57	
+51 123	right ascension - sec	37.5	27.5	Puts out of order with 122.
+51 594	declination	9.9	19.9	
+50 290	declination	11.6	6.2	
+50 557	vis. mag.	9.0	30.0	Var.; overstruck in 1903 edition, reactivated (Küstner 1908).
+50 678				Two faint stars, separation 0.5 arcmin.
+50 871	right ascension - sec	2.4	3.4	
+50 2999	vis. mag.	9.0	9.1	
+49 1001	declination	44.0	43.0	
+49 3520	declination	12.7	11.7	
+49 3847	right ascension - sec	55.2	56.4	
+48 2421a	right ascension - sec	56.0	53.3	Corrected by Sticker (1935). Not flagged with *.
+48 2421a	declination	37.4	35.0	
+47 1318	declination			Catalog value uncertain (Küstner 1918).
+47 3057	right ascension - sec	37.9	40.5	
+47 3057	declination	3.5	4.6	
+46 1670	declination	33.8	32.8	
+46 1767a				Deleted by Sticker (1935). "D" in place of "a".
+46 2005a	right ascension - sec	30.5	22.6	Corrected by Sticker (1935). Not flagged with *.
+46 2005a	declination	10.0	9.4	Corrected by Sticker (1935). Not flagged with *.
+46 2740				Cluster NGC 6811.
+46 4039	right ascension - min	17	18	Puts out of order with 4040.
+46 4039	right ascension - sec	54.3	4.3	
+44 1299	right ascension - sec	36.1	36.9	
+44 1299	declination	41.3	42.0	
+44 1301	right ascension - sec	41.0	41.8	
+44 1301	declination	46.5	47.2	
+43 3579a	DM	3579a	3576a	Küstner (1918). Not flagged with *.
+43 3576a	right ascension - sec	42.0	22.0	Küstner (1918).
+42 376	right ascension - sec	22.7	21.7	
+42 376	declination	34.1	32.9	
+42 4228	declination	35.9	39.4	
+41 1582	right ascension - sec	12.4	17.4	Puts out of order with 1583.
+41 1608	right ascension - sec	34.5	32.1	
+41 1608	declination	9.7	11.0	
+41 1869				2 stars: $\Delta\alpha$ 6.8 s, $\Delta\delta$ 6.1 arcmin Küstner (1908).
+41 3348	right ascension - sec	4.9	0.4	

Star	Datum	For	Read	Remarks
+41 3348	declination	34.0	33.2	
+40 4753	right ascension - sec	24.6	25.6	
+39 530	right ascension - sec	49.7	39.8	
+39 1986	declination	55.8	55.2	
+39 2567	declination	54.4	55.5	
+37 569	vis. mag.	9.1	9.0	
+37 3418a	vis. mag.	30.0	9.5	Changed from <i>var</i> to 9.5 (Küstner 1925).
+36 204				2 stars 9 mag, separation 1 arcmin (Küstner 1925).
+35 438	right ascension - sec		39.6	Change in 1903 edition puts out of order with 435-7.
+34 176	declination	0.7	1.6	
+34 245	right ascension - sec	26.2	20.5	Puts out of order with 244.
+34 245	declination	17.5	18.8	
+34 269	declination	32.8	39.8	
+34 324	right ascension - sec	24.7	22.8	
+34 422	right ascension - sec	16.5	11.8	Puts out of order with 421.
+34 489	vis. mag.	8.8	9.5	
+34 489	right ascension - sec	40.4	45.1	
+34 531	right ascension - sec	40.5	39.5	
+34 531	declination	0.6	1.6	
+34 666	vis. mag.	9.2	9.3	
+34 666	right ascension - sec	17.0	14.9	
+34 748	declination	41.2	42.2	
+34 902	right ascension - sec	54.0	56.6	
+34 902	declination	52.7	52.1	
+34 1525	vis. mag.	9.5	9.1	Changed in 1903 edition.
+34 1525	declination	20.7	18.8	Changed in 1903 edition.
+34 1540	right ascension - sec	59.8	51.2	Changed in 1903 edition. Puts out of order with 1538-9.
+34 1540	declination	47.9	47.6	Changed in 1903 edition.
+34 1641	right ascension - sec	12.5	6.0	
+34 2117a	DM	2117a	2119a	Not flagged with *.
+34 2117a	right ascension - sec	20.7	41.2	
+34 2117a	declination	53.7	52.4	
+34 2119	right ascension - sec	41.8	33.0	
+34 2937	declination	1.0	5.0	
+33 162	declination	0.6	1.6	
+33 967	right ascension - sec	45.4	39.1	
+33 967	declination	26.9	28.1	
+33 968	right ascension - sec	46.8	47.0	

Star	Datum	For	Read	Remarks
+33 968	declination	24.7	24.2	
+33 1455	right ascension - sec	11.4	9.5	
+33 1455	declination	18.6	24.5	
+33 1488	right ascension - sec	59.8	39.8	
+33 1865	right ascension - sec	41.4	40.6	
+33 1865	declination	55.2	53.0	
+33 2018	right ascension - sec	24.4	19.0	
+33 2041	right ascension - sec	50.7	45.2	Puts out of order with 2040.
+33 2041	declination	15.0	16.1	
+33 3237	declination	44.2	36.7	
+33 3581a	DM	3581a	3582a	Not flagged with *.
+33 3582	right ascension - sec	4.6	2.9	
+33 4238	vis. mag.	9.1	9.3	
+33 4238	right ascension - sec	39.4	37.1	
+33 4239	vis. mag.	9.3	9.5	
+33 4603	right ascension - sec	7.7	1.9	Puts out of order with 4602.
+33 4685	right ascension - sec	6.0	11.0	
+33 4726	right ascension - sec	58.0	58.8	
+32 117	right ascension - sec	54.8	44.8	
+32 162	declination	16.7	17.2	
+32 548	right ascension - sec	55.8	58.3	
+32 589	right ascension - sec	8.0	11.3	
+32 707	right ascension - min	53	52	
+32 707	right ascension - sec	5.5	55.5	
+32 923	right ascension - sec	4.8	5.8	
+32 1092	right ascension - sec	19.4	16.4	
+32 1902	right ascension - sec	35.0	41.6	
+32 2026	right ascension - sec	54.4	56.4	
+32 2039	vis. mag.	9.3	9.5	
+32 2164	right ascension - sec	42.7	45.4	
+32 2201	right ascension - sec	37.9	35.2	
+32 2237	right ascension - sec	49.3	33.3	
+32 2695	right ascension - sec	15.3	16.7	
+32 4669	vis. mag.	9.3	9.5	
+32 4669	right ascension - sec	40.4	39.9	
+32 4669	declination	42.5	43.6	
+31 206	declination	24.7	21.0	
+31 1768	declination	7.1	6.1	
+31 1771	declination	1.5	0.5	
+31 2042	right ascension - sec	46.0	40.7	

Star	Datum	For	Read	Remarks
+31 2042	declination	51.5	50.1	
+31 2079	declination	0.8	8.2	
+31 2598	declination	+31	+32	Change zone.
+31 2598	declination	57.8	1.3	
+31 2817	right ascension - sec	6.1	9.2	
+31 2890	right ascension - sec	29.8	35.3	
+31 2890	declination	33.0	34.1	
+31 2901	right ascension - sec	26.4	28.1	
+31 2926	right ascension - sec	45.0	48.4	
+31 3096	right ascension - min	41	42	Puts out of order with 3097, which remains at 41 arcmin.
+31 3147	right ascension - sec	19.7	15.9	
+31 3175	declination	42.6	44.8	
+31 3308	declination	52.4	56.4	
+31 4375	declination	34.6	37.6	
+31 4378	declination	37.6	34.6	
+31 4837	right ascension - sec	17.8	20.5	
+31 4914	vis. mag.	9.3	9.5	
+31 4914	right ascension - sec	6.6	8.4	
+31 4914	declination	55.6	55.4	
+31 4916	right ascension - sec	14.8	11.6	
+30 585	right ascension - sec	13.9	14.5	
+30 4456	vis. mag.	9.3	9.2	
+30 4456	right ascension - min	24	23	
+30 4456	right ascension - sec	1.4	57.0	
+30 4456	declination	51.1	50.1	

6 Acknowledgments

This immense project was successfully completed only through the combined efforts of several institutes and many persons. The initial work at the Astronomical Data Center/NSSDC was begun and supervised by Drs. J. M. Mead, T. A. Nagy, and Wayne Warren Jr., but the punching could never have been begun, nor the project completed without the support of the former NSSDC Director, Dr. James I. Vette. This support continued under the later Director, Dr. James L. Green, and the current Head of the NSSDC, Dr. Joseph H. King.

The punching of zones $+59^\circ$ through $+30^\circ$ was accomplished at l'Observatoire de Nice by M. Fulconis, under the direction of P. Couteau, and their proofreading was done at the CDS by M. J. Wagner and W. Maslo.

Zones $+80^\circ$ through $+60^\circ$ were keyed directly to disk at the CDS by M. J. Wagner, W. Maslo, and R. Bonnet, with preprocessing software written and implemented by F. Ochsenbein.

Finally, Dr. R. A. Downes of Applied Research Corporation brought the "missing" stars

to the attention of the compilers, supplied a complete list of the stars, and rechecked certain questionable cases.

Wayne Warren Jr. supervised the effort to compile the machine-readable version of the *Bonner Durchmusterung* and prepared the document from which this introduction has been extracted by Nancy G. Roman. The latter also prepared the catalog for printing.

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37	9.5	13746.	+8530.2	127	9.0	80904.	+8511.2	217	9.0	131434.	+8557.0	307	9.3	183943.	+8513.0
38	9.0	14045.	+8545.4	128	7.5	81241.	+8533.2	218	9.5	131632.	+8533.4	308	9.5	184137.	+8500.6
39	9.5	14056.	+8507.1	129	8.2	81437.	+8541.6	219	9.3	131713.	+8506.4	309	9.4	184514.	+8500.3
40	9.5	14251.	+8510.2	130	9.5	81721.	+8518.9	220	9.0	132000.	+8550.5	310	9.5	184617.	+8504.1
41	7.7	15050.	+8502.5	131	9.0	82643.	+8518.6	221	9.4	132007.	+8512.6	311	9.5	184648.	+8533.9
42	9.5	15339.	+8541.1	132	8.2	83656.	+8515.3	222	7.0	132040.	+8530.8	312	9.5	184943.	+8526.9
43	9.5	21138.	+8513.2	133	9.5	83712.	+8530.5	223	9.2	132244.	+8528.7	313	9.5	185110.	+8522.1
44	9.5	21147.	+8511.4	134	9.5	83727.	+8523.2	224	8.8	132351.	+8543.5	314	9.5	185249.	+8537.7
45	8.6	21409.	+8509.6	135	9.0	84234.	+8502.9	225	8.9	132544.	+8547.6	315	9.4	185641.	+8534.8
46	8.1	22201.	+8537.8	136	9.3	84359.	+8507.2	226	9.5	133543.	+8517.2	316	9.5	185926.	+8545.1
47	9.5	22323.	+8551.4	137	9.5	84550.	+8527.4	227	9.5	133624.	+8533.4	317	9.5	185955.	+8504.5
48	8.8	22927.	+8515.2	138	9.5	84921.	+8559.4	228	9.5	133701.	+8521.6	318	9.4	190052.	+8554.1
49	9.5	23039.	+8538.3	139	9.5	85148.	+8525.0	229	9.5	133822.	+8529.0	319	9.5	190909.	+8521.2
50	8.8	23454.	+8515.8	140	9.5	85251.	+8525.0	230	9.5	134023.	+8515.2	320	8.9	191027.	+8525.1
51	9.5	23547.	+8539.1	141	9.5	85440.	+8511.2	231	9.3	134401.	+8529.1	321	9.4	191203.	+8554.5
52	9.4	25108.	+8506.8	142	8.5	85703.	+8548.6	232	9.3	134622.	+8513.0	322	9.5	191559.	+8506.1
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+84 280 12h22m

333	9.5	200222.	+8514.5	11	9.5	02900.	+8433.0	101	9.5	45625.	+8422.0	191	9.3	82252.	+8448.2
334	9.4	200314.	+8520.6	12	9.4	02936.	+8426.4	102	9.5	45711.	+8411.3	192	9.5	83554.	+8431.2
335	9.2	200630.	+8540.9	13	9.0	03352.	+8415.3	103	9.5	45746.	+8455.8	193	9.3	83823.	+8434.4
336	9.3	200929.	+8526.1	14	8.6	03945.	+8454.8	104	9.2	45905.	+8404.4	194	9.5	84243.	+8459.4
337	8.5	201140.	+8528.2	15	8.2	04052.	+8440.2	105	9.5	50304.	+8417.9	195	9.5	84354.	+8420.4
338	9.3	201253.	+8529.1	16	9.1	04118.	+8430.8	106	8.9	50442.	+8411.0	196	6.0	84418.	+8445.1
339	8.7	201611.	+8538.2	17	9.5	04937.	+8446.1	107	9.5	51318.	+8402.4	197	9.3	84443.	+8414.1
340	7.5	202137.	+8519.8	18	8.8	05815.	+8419.3	108	9.5	51638.	+8402.9	198	9.5	84603.	+8453.0
341	9.5	202215.	+8539.1	19	9.0	10254.	+8421.8	109	9.5	52014.	+8402.3	199	8.6	84709.	+8412.7
342	9.5	202707.	+8520.2	20	9.4	10457.	+8406.5	110	9.0	52323.	+8446.9	200	9.3	85012.	+8406.9
343	9.4	202804.	+8501.8	21	9.5	10552.	+8445.8	111	9.5	52750.	+8454.7	201	9.4	85318.	+8425.4
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346	9.5	203025.	+8547.8	24	9.2	12119.	+8444.8	114	8.9	53422.	+8404.5	204	9.3	90209.	+8433.2
347	8.0	203553.	+8548.1	25	9.3	12119.	+8428.4	115	9.5	53542.	+8429.9	205	9.5	90226.	+8409.6
348	9.3	203643.	+8527.0	26	9.4	12350.	+8412.2	116	9.5	53604.	+8401.9	206	8.0	90551.	+8421.6
349	9.3	203718.	+8507.2	27	9.4	12416.	+8444.1	117	9.0	53713.	+8406.5	207	9.5	90812.	+8443.5
350	9.4	204755.	+8520.0	28	9.4	12604.	+8458.4	118	8.8	54139.	+8411.1	208	9.5	90815.	+8441.0
351	9.3	205101.	+8528.5	29	8.0	12729.	+8428.9	119	9.5	54631.	+8457.8	209	9.5	90848.	+8408.7
352	9.3	205509.	+8529.4	30	9.0	12833.	+8419.6	120	9.3	54726.	+8448.8	210	9.3	91152.	+8410.7
353	9.1	205538.	+8556.3	31	9.5	12911.	+8434.1	121	9.5	54903.	+8449.3	211	9.5	91223.	+8402.1
354	8.0	205627.	+8507.3	32	8.9	13422.	+8425.3	122	9.5	55523.	+8423.3	212	8.5	91509.	+8428.6
355	9.1	205843.	+8517.8	33	9.5	13840.	+8430.9	123	9.5	55712.	+8433.2	213	8.3	92213.	+8426.7
356	9.5	205907.	+8527.3	34	8.1	13910.	+8401.5	124	9.5	55819.	+8421.2	214	9.5	92216.	+8449.5
357	8.8	210445.	+8500.6	35	9.1	14115.	+8411.1	125	9.4	60004.	+8400.9	215	8.8	92232.	+8459.9
358	9.5	210657.	+8521.4	36	9.4	15206.	+8433.5	126	9.5	60013.	+8424.9	216	8.7	92300.	+8423.7
359	8.1	211236.	+8517.5	37	9.2	15932.	+8407.0	127	9.5	60015.	+8435.0	217	8.7	92347.	+8422.2
360	9.5	211337.	+8505.7	38	9.1	20656.	+8430.5	128	9.5	60950.	+8439.3	218	8.3	92512.	+8410.0
361	9.0	212825.	+8503.1	39	9.5	20204.	+8433.6	129	9.5	61008.	+8432.0	219	9.5	92515.	+8408.7
362	9.5	212952.	+8546.7	40	9.0	20208.	+8423.6	130	9.5	61312.	+8422.7	220	9.3	92707.	+8450.0
363	9.5	213319.	+8564.0	41	9.5	20351.	+8430.3	131	9.5	61506.	+8442.7	221	9.5	92950.	+8426.8
364	9.3	214335.	+8539.8	42	8.5	21126.	+8424.7	132	9.5	61522.	+8448.0	222	8.0	93630.	+8409.5
365	9.5	215135.	+8514.1	43	9.2	21351.	+8439.0	133	9.5	61658.	+8422.1	223	8.8	93957.	+8418.7
366	9.2	215142.	+8552.9	44	9.3	21554.	+8454.2	134	9.5	61751.	+8456.7	224	9.2	94217.	+8435.5
367	8.5	215551.	+8545.9	45	9.0	22837.	+8433.9	135	8.2	62053.	+8448.4	225	6.5	94440.	+8436.7
368	9.5	215614.	+8513.8	46	9.3	23124.	+8402.5	136	9.5	62154.	+8453.8	226	9.4	94511.	+8448.8
369	9.3	215832.	+8541.0	47	9.5	23222.	+8403.9	137	9.5	62435.	+8420.5	227	9.4	94730.	+8412.5
370	9.0	215919.	+8518.2	48	9.2	23641.	+8402.5	138	9.5	62500.	+8425.5	228	9.5	95557.	+8423.6
371	8.5	215944.	+8513.2	49	9.4	24150.	+8401.7	139	9.5	62600.	+8407.7	229	9.3	95561.	+8404.7
372	9.5	220048.	+8557.1	50	9.5	24628.	+8417.1	140	9.5	62802.	+8408.3	230	9.5	100248.	+8414.2
373	9.4	220251.	+8510.1	51	8.7	24642.	+8416.5	141	9.4	63208.	+8406.0	231	9.5	100548.	+8454.2
374	9.4	220300.	+8557.7	52	9.5	24758.	+8453.3	142	9.5	63234.	+8404.8	232	9.4	100703.	+8453.0
375	9.4	220315.	+8508.7	53	8.5	24813.	+8425.0	143	9.4	63259.	+8452.1	233	9.4	100727.	+8443.0
376	8.5	220538.	+8510.1	54	9.5	25053.	+8424.6	144	9.5	63430.	+8411.2	234	5.0	100749.	+8459.1
377	9.5	220806.	+8508.3	55	9.5	25209.	+8425.5	145	9.3	63658.	+8417.5	235	9.4	100844.	+8437.2
378	9.4	220812.	+8524.8	56	9.5	25333.	+8407.3	146	9.4	63848.	+8415.9	236	9.1	100928.	+8412.3
379	9.5	220904.	+8524.0	57	9.1	25806.	+8437.7	147	9.4	64456.	+8444.4	237	8.5	101004.	+8417.4
380	9.5	221355.	+8515.3	58	9.4	25873.	+8455.4	148	9.5	65358.	+8416.0	238	9.5	102203.	+8417.8
381	9.5	221450.	+8526.5	59	6.0	25848.	+8423.1	149	9.3	65359.	+8431.9	239	9.2	102342.	+8450.1
382	9.4	221633.	+8525.1	60	9.5	25924.	+8446.7	150	9.5	65535.	+8434.8	240	9.5	102449.	+8410.1
383	5.0	222412.	+8522.6	61	9.0	25926.	+8405.1	151	9.5	65629.	+8447.1	241	9.1	102951.	+8413.7
384	6.5	222442.	+8529.4	62	9.3	30457.	+8424.4	152	8.0	70134.	+8428.8	242	9.5	103019.	+8435.7
385	9.5	222640.	+8543.8	63	9.5	31157.	+8442.4	153	9.3	70316.	+8448.0	243	9.2	103250.	+8416.3
386	9.0	222741.	+8550.0	64	9.5	31756.	+8409.8	154	9.4	71207.	+8406.8	244	9.3	104223.	+8412.8
387	9.5	222832.	+8554.9	65	8.9	31854.	+8447.0	155	9.5	71442.	+8453.7	245	9.5	104740.	+8458.6
388	9.5	224014.	+8530.7	66	8.4	32134.	+8421.2	156	9.0	71507.	+8448.1	246	9.4	104801.	+8430.8
389	9.2	224021.	+8546.5	67	9.5	32239.	+8422.6	157	9.4	71551.	+8430.2	247	9.5	104927.	+8417.9
390	8.7	224539.	+8554.0	68	9.0	32447.	+8400.4	158	9.4	71735.	+8406.8	248	9.5	105358.	+8440.5
391	9.4	224610.	+8502.2	69	8.8	32808.	+8413.1	159	9.3	71742.	+8447.2	249	9.3	105509.	+8435.5
392	9.2	225052.	+8550.4	70	9.5	32859.	+8414.7	160	9.5	72045.	+8409.9	250	9.3	105724.	+8416.6
393	9.5	225207.	+8546.6	71	9.5	32955.	+8420.0	161	9.3	72545.	+8417.2	251	9.4	105940.	+8434.8
394	9.4	230839.	+8507.4	72	9.0	32959.	+8444.6	162	9.5	72607.	+8419.7	252	8.4	110632.	+8408.5
395	9.4	231104.	+8506.0	73	9.5	33044.	+8449.8	163	9.0	72840.	+8416.9	253	9.5	110822.	+8408.8
396	9.5	231320.	+8559.9	74	9.5	33241.	+8436.1	164	9.5	72907.	+8408.7	254	9.5	111748.	+8418.4
397	9.5	231610.	+8550.9	75	9.5	33826.	+8451.4	165	9.5	72908.	+8441.7	255	8.8	112029.	+8448.2
398	8.5	231903.	+8515.7	76	9.4	34238.	+8456.4	166	9.3	72958.	+8415.4	256	8.6	112223.	+8428.7
399	7.5	232411.	+8537.2	77	9.5	35449.	+8413.7	167	9.4	73000.	+8430.2	257	9.5	113156.	+8422.8
400	8.0	232548.	+8512.6	78	7.5	35804.	+8407.2	168	7.8	73337.	+8447.3	258	9.0	113244.	+8435.3
401	8.0	232713.	+8545.5	79	9.2	35900.	+8410.6	169	6.0	74137.	+8427.7	259	9.5	113355.	+8459.1
402	9.3	232747.	+8531.4	80	9.5	40200.	+8438.1	170	9.3	74205.	+8442.6	260	8.4	113442.	+8414.1
403	7.8	232944.	+8522.7	81	9.4	40550.	+8437.1	171	9.3	74252.	+8425.3	261	9.4	113737.	+8453.8
404	9.4	233503.	+8552.3	82	9.4	40607.	+8452.5	172	9.5	75022.	+8421.5	262	8.4	115551.	+8411.4
405	9.5	233623.	+8507.0	83	9.1	40728.	+8441.4	173	8.8	75041.	+8426.6	263	9.5	115722.	+8414.5
406	8.8	234905.	+8505.9	84	9.5	41141.	+8439.6	174	9.2	75336.	+8435.0	264	9.5	120009.	+8443.0
407	9.5	234913.	+8558.3	85	9.0	41248.	+8419.3	175	9.2	75412.	+8434.8	265	9.5	120207.	+8407.5
408	9.5	235127.	+8507.4	86	9.5	41516.	+8423.9	176	9.5	75510.	+8443.2	266	9.5	120304.	+8405.2
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410	9.4	235402.	+8551.7	88	7.7	42114.	+8436.0	178	8.9	80302.	+8440.7	268	5.2	120647.	+8406.4
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108	9.1	30336.	+8126.2	198	9.2	53616.	+8126.6	288	9.5	85856.	+8159.2	378	9.4	112854.	+8116.3
109	9.4	30832.	+8127.5	199	9.2	53653.	+8131.6	289	9.0	85904.	+8158.9	379	9.0	112912.	+8132.8
110	9.5	30853.	+8130.8	200	9.2	53653.	+8126.3	290	9.5	90001.	+8130.3	380	9.0	113027.	+8154.0
111	9.3	30924.	+8112.6	201	8.8	54113.	+8130.8	291	9.1	90130.	+8127.3	381	9.0	113045.	+8108.0
112	8.4	31059.	+8117.1	202	9.5	54159.	+8137.5	292	9.1	90326.	+8153.0	382	9.5	113056.	+8102.3
113	9.5	31232.	+8140.8	203	9.3	54231.	+8106.3	293	9.5	90442.	+8146.8	383	9.5	113114.	+8120.4
114	9.1	31254.	+8102.0	204	9.2	54357.	+8105.3	294	9.5	90535.	+8130.8	384	8.5	113254.	+8123.1
115	9.4	31303.	+8132.0	205	9.5	54417.	+8151.5	295	8.6	90613.	+8109.4	385	9.3	113711.	+8151.9
116	9.0	31329.	+8135.9	206	9.5	54451.	+8142.5	296	9.5	90626.	+8116.7	386	9.5	114201.	+8128.8
117	8.8	31444.	+8100.2	207	9.4	54506.	+8103.3	297	9.0	90723.	+8112.7	387	8.9	114710.	+8148.0
118	9.5	31519.	+8104.5	208	9.5	54909.	+8132.5	298	9.3	91302.	+8155.9	388	8.0	115014.	+8126.5
119	9.5	31729.	+8150.5	209	9.5	54911.	+8102.1	299	9.4	91413.	+8116.6	389	6.2	115238.	+8139.7
120	9.5	31957.	+8104.2	210	8.7	54919.	+8157.9	300	9.3	91451.	+8120.5	390	9.4	115430.	+8116.2
121	9.2	32337.	+8124.8	211	9.5	54933.	+8103.0	301	9.5	91544.	+8112.2	391	9.4	115832.	+8106.9
122	9.5	32728.	+8132.5	212	9.5	55126.	+8158.9	302	4.3	91603.	+8157.6	392	9.1	115925.	+8137.5
123	9.5	32738.	+8108.3	213	9.5	55356.	+8114.9	303	9.5	91811.	+8115.8	393	9.5	120035.	+8133.0
124	9.5	32815.	+8106.5	214	9.0	55421.	+8146.9	304	9.5	91818.	+8144.2	394	9.5	120303.	+8119.3
125	7.9	32849.	+8105.3	215	8.9	55500.	+8108.1	305	9.5	92048.	+8154.1	395	9.5	121135.	+8135.0
126	9.5	32914.	+8141.5	216	9.5	60420.	+8116.9	306	9.5	92135.	+8100.4	396	9.0	121438.	+8101.5
127	9.4	32928.	+8107.0	217	9.5	60645.	+8109.2	307	9.5	92156.	+8139.5	397	8.5	121842.	+8137.8
128	9.3	33130.	+8140.9	218	9.0	60721.	+8124.1	308	8.9	92214.	+8118.5	398	9.5	122441.	+8115.0
129	9.0	33305.	+8148.7	219	9.5	61030.	+8113.2	309	9.5	92215.	+8107.1	399	8.1	122848.	+8144.7
130	9.5	33306.	+8115.3	220	9.5	61448.	+8154.5	310	9.5	92303.	+8108.1	400	6.8	122941.	+8103.0
131	9.0	33311.	+8149.0	221	9.3	61501.	+8143.7	311	9.4	92318.	+8118.6	401	9.5	123236.	+8110.1
132	9.2	33600.	+8135.1	222	9.2	61645.	+8155.9	312	9.5	92706.	+8118.7	402	6.3	124046.	+8125.0
133	9.4	33616.	+8107.2	223	9.5	61736.	+8153.0	313	9.0	92707.	+8137.1	403	9.5	124130.	+8116.7
134	7.8	33738.	+8126.8	224	9.5	61859.	+8124.0	314	9.3	93414.	+8142.8	404	9.5	124220.	+8112.8
135	7.8	33809.	+8108.8	225	8.4	62036.	+8115.7	315	9.5	93657.	+8159.1	405	9.5	124350.	+8155.6
136	9.5	33953.	+8121.1	226	9.5	62800.	+8151.1	316	9.4	93835.	+8126.7	406	9.5	124427.	+8138.7
137	9.3	34121.	+8119.3	227	8.8	63053.	+8105.1	317	9.5	93853.	+8110.6	407	7.6	124534.	+8111.8
138	9.5	34217.	+8156.1	228	9.1	63623.	+8111.6	318	9.3	93914.	+8147.3	408	9.4	124613.	+8117.3
139	9.1	34431.	+8116.9	229	9.0	63824.	+8156.2	319	7.4	94103.	+8103.7	409	9.2	124812.	+8150.5
140	9.3	34445.	+8131.9	230	9.5	63855.	+8102.6	320	8.4	94245.	+8105.4	410	9.5	125100.	+8146.8
141	9.5	34634.	+8104.9	231	8.9	64015.	+8123.7	321	9.3	94254.	+8123.6	411	9.3	125435.	+8108.9
142	9.5	34832.	+8147.8	232	9.5	64158.	+8113.6	322	9.5	94746.	+8123.2	412	7.0	125803.	+8139.4
143	9.5	34921.	+8125.4	233	9.1	64212.	+8146.8	323	9.5	94749.	+8123.2	413	9.5	130414.	+8158.2
144	9.5	34957.	+8101.9	234	9.4	64239.	+8133.8	324	9.5	95049.	+8130.9	414	9.3	130941.	+8108.3
145	9.5	35110.	+8147.8	235	9.5	64614.	+8131.8	325	9.1	95147.	+8103.0	415	9.5	131036.	+8131.7
146	9.5	35307.	+8157.2	236	9.2	64730.	+8113.7	326	9.5	95615.	+8159.9	416	6.3	131112.	+8114.4
147	7.5	35346.	+8135.8	237	9.1	64732.	+8115.8	327	9.2	95658.	+8129.3	417	9.5	131235.	+8123.1
148	9.3	35348.	+8101.8	238	9.5	65337.	+8130.5	328	9.5	95845.	+8159.8	418	9.5	131609.	+8125.1
149	8.3	35510.	+8103.1	239	7.8	65349.	+8106.2	329	9.5	95908.	+8138.2	419	9.3	131619.	+8116.7
150	7.9	35540.	+8115.4	240	9.5	65356.	+8124.2	330	9.1	95954.	+8114.1	420	9.1	131816.	+8103.2
151	9.5	40221.	+8128.5	241	9.5	65526.	+8108.9	331	9.5	100057.	+8147.5	421	9.1	131937.	+8101.3
152	9.3	40600.	+8159.9	242	6.3	65739.	+8130.4	332	9.4	100316.	+8104.5	422	8.8	132146.	+8125.0
153	9.5	40705.	+8148.9	243	9.0	65941.	+8113.8	333	9.5	100552.	+8144.9	423	9.3	132115.	+8102.6
154	9.4	40818.	+8149.8	244	9.5	70008.	+8118.1	334	9.5	100954.	+8104.7	424	9.3	132119.	+8139.1
155	9.4	40848.	+8128.6	245	9.5	70044.	+8122.3	335	9.4	100955.	+8124.8	425	9.5	132311.	+8147.4
156	9.5	40953.	+8131.2	246	9.2	70209.	+8105.5	336	9.2	101015.	+8128.5	426	9.5	132449.	+8149.9
157	9.5	41510.	+8104.9	247	9.5	70223.	+8133.1	337	7.9	101148.	+8155.2	427	9.2	132538.	+8112.4
158	9.5	41723.	+8155.9	248	9.5	70417.	+8108.1	338	9.5	101319.	+8127.4	428	9.4	132554.	+8155.0
159	9.5	41932.	+8151.0	249	9.5	70438.	+8149.8	339	9.3	101454.	+8144.7	429	9.3	132611.	+8146.7
160	9.3	42320.	+8141.1	250	9.5	70531.	+8117.3	340	9.5	101600.	+8159.7	430	9.2	132958.	+8130.3
161	9.4	42440.	+8115.5	251	9.5	70558.	+8158.0	341	9.1	101637.	+8139.1	431	9.2	133008.	+8131.4
162	9.2	42605.	+8112.8	252	7.0	70803.	+8110.7	342	9.5	101840.	+8151.1	432	8.9	133027.	+8101.5
163	9.5	42653.	+8109.0	253	9.4	71812.	+8134.3	343	6.2	102049.	+8114.3	433	9.0	133027.	+8102.6
164	9.2	42713.	+8111.5	254	9.5	72703.	+8139.9	344	9.1	102245.	+8147.6	434	9.5	133107.	+8126.3
165	9.5	42713.	+8126.2	255	9.5	72741.	+8139.7	345	9.2	102541.	+8153.4	435	8.9	133203.	+8103.9
166	9.4	42802.	+8148.3	256	9.5	72922.	+8125.2	346	9.4	102615.	+8146.0	436	9.3	133413.	+8132.0
167	8.9	42856.	+8119.8	257	7.2	73022.	+8142.5	347	8.4	102721.	+8159.3	437	9.5	133429.	+8142.5
168	8.5	43059.	+8122.6	258	9.4	73541.	+8137.2	348	9.5	102852.	+8135.5	438	9.5	133439.	+8106.4
169	9.3	43257.	+8104.8	259	9.5	73624.	+8105.9	349	6.2	102855.	+8100.9	439	9.5	133518.	+8106.4
170	8.4	43551.	+8101.7	260	9.5	74228.	+8137.1	350	9.0	103334.	+8103.5	440	8.7	133810.	+8113.2
171	9.2	43746.	+8145.0	261	9.5	74334.	+8104.5	351	9.4	103734.	+8119.4	441	9.2	134009.	+8146.2
172	9.5	43909.	+8147.2	262	9.5	74337.	+8121.3	352	9.3	103838.	+8121.2	442	9.4	134120.	+8155.9
173	9.5	44341.	+8154.1	263	8.1	74618.	+8127.2	353	9.4	103914.	+8126.1	443	8.5	134201.	+8147.2
174	9.4	44553.	+8145.5	264	9.5	74814.	+8138.2	354	8.9	104115.	+8107.4	444	9.0	134235.	+8154.7
175	9.3	44818.	+8117.5	265	9.5	74946.	+8144.7	355	9.4	104255.	+8118.1	445	9.5	134310.	+8147.4
176	9.5	44931.	+8120.2	266	9.5	81336.	+8149.6	356	9.5	104325.	+8149.4	446	9.5	134348.	+8107.8
177	9.2	45013.	+8144.9	267	9.5	82146.	+8112.9	357	9.5	104539.	+8115.7	447	8.9	134430.	+8127.0
178	8.7	45200.	+8102.3	268	8.9	82253.	+8131.9	358	9.2	105137.	+8150.0	448	9.3	134559.	+8117.9
179	9.5	45216.	+8131.1	269	9.5	82319.	+8157.7	359	8.2	105229.	+8149.2	449	9.1	134938.	+8159.6
180	9.1	50016.	+8112.6	270	8.0	82632.	+8100.2	360	8.6	105627.	+8113.3	450	9.5	135012.	+8104.1
181	9.5	50417.	+8108.1	271	9.4	83216.	+8114.0	361	9.5	105701.	+8145.7	451	9.4	135220.	+8138.1
182	9.5	50459.	+8157.9	272	9.3	83334.	+8116.3	362	8.2	105833.	+8144.0	452	6.8	135316.	+8128.9
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184	9.3	50637.	+8130.4	274	8.6	83626.	+8120.1	364	9.0	110301.	+8130.5	454	9.5	135707.	+8129.1
185	9.5	50747.	+8106.4	275	9.5	84058.	+8110.0	365	9.3	110335.	+8155.7	455	9.5	135759.	+8105.9
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747	9.5	225835.	+8057.0	43	9.3	11443.	+7928.1	133	9.4	35228.	+7959.0	223	9.0	64008.	+7920.9
748	9.5	225927.	+8004.9	44	9.4	11448.	+7957.5	134	9.5	35355.	+7942.8	224	9.5	64315.	+7902.7
749	9.2	230131.	+8052.8	45	9.4	11943.	+7917.1	135	9.5	35720.	+7906.8	225	9.2	64411.	+7937.6
750	9.5	230352.	+8014.6	46	8.9	12402.	+7903.7	136	8.8	35752.	+7900.4	226	8.7	64424.	+7927.3
751	9.5	230539.	+8028.4	47	9.5	12458.	+7923.9	137	8.8	35958.	+7901.0	227	9.5	64445.	+7920.9
752	9.0	230742.	+8013.2	48	9.5	12739.	+7916.6	138	9.0	40017.	+7908.5	228	9.1	65056.	+7931.2
753	9.5	230800.	+8026.5	49	9.5	12802.	+7907.5	139	9.5	40058.	+7914.3	229	9.5	65220.	+7942.0
754	9.0	230808.	+8033.9	50	9.0	13024.	+7947.5	140	9.4	40242.	+7911.9	230	8.8	70001.	+7922.9
755	8.5	230936.	+8058.8	51	8.0	13110.	+7931.3	141	9.2	40324.	+7916.9	231	9.2	70126.	+7924.3
756	9.5	231116.	+8031.9	52	9.3	13113.	+7952.6	142	8.9	40515.	+7917.5	232	9.5	70208.	+7904.7
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767	9.5	232252.	+8037.6	63	6.7	15636.	+7900.1	153	9.4	42632.	+7911.6	242	9.5	71441.	+7954.8
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772	9.5	232720.	+8022.6	68	7.7	20711.	+7906.5	158	9.4	43931.	+7920.7	247	9.5	72055.	+7939.2
773	8.5	232755.	+8016.6	69	8.3	21000.	+7956.8	159	8.8	44008.	+7941.3	248	9.2	72110.	+7911.5
774	8.7	232940.	+8052.9	70	9.3	21032.	+7903.7	160	9.1	44056.	+7922.5	249	8.5	72257.	+7933.9
775	9.3	233015.	+8013.7	71	9.2	21257.	+7945.7	161	9.5	44420.	+7942.8	250	9.5	72258.	+7925.0
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626	9.5	192616.	+7942.6	716	9.5	214950.	+7918.5	1	6.5	00128.	+7854.8	89	9.5	21754.	+7817.0
627	9.3	192832.	+7935.8	717	8.0	215053.	+7958.7	2	9.5	00455.	+7805.8	90	9.4	21816.	+7842.8
628	6.3	193026.	+7917.7	718	9.5	215123.	+7951.9	3	9.5	00650.	+7807.2	91	9.3	21820.	+7834.8
629	8.0	193310.	+7929.4	719	9.5	215323.	+7932.8	4	9.5	00650.	+7841.4	92	8.6	21859.	+7856.8
630	9.3	193313.	+7936.3	720	8.2	215355.	+7916.1	5	9.5	00929.	+7847.3	93	9.0	22107.	+7835.7
631	9.0	193551.	+7941.5	721	6.4	215627.	+7937.1	6	9.5	00954.	+7811.0	94	8.5	22315.	+7853.5
632	9.0	193611.	+7951.4	722	9.5	215730.	+7957.8	7	9.4	00954.	+7829.1	95	8.0	22650.	+7833.8
633	9.3	193612.	+7938.3	723	9.5	220022.	+7955.0	8	9.5	01003.	+7858.0	96	9.2	22702.	+7834.7
634	9.1	193802.	+7957.4	724	9.5	220217.	+7904.0	9	9.5	01238.	+7839.5	97	9.4	23409.	+7855.7
635	9.5	193837.	+7914.2	725	9.5	220318.	+7908.3	9a	9.5	01458.	+7870.4	98	8.0	23527.	+7804.0
636	9.3	193928.	+7957.0	726	9.5	220356.	+7953.0	10	9.5	01518.	+7820.8	99	8.7	23629.	+7827.3
637	9.5	194042.	+7918.6	727	9.4	221020.	+7957.9	11	8.6	01524.	+7842.7	100	9.4	24238.	+7814.1
638	7.5	194249.	+7949.0	728	8.3	221225.	+7919.1	12	9.4	01722.	+7843.3	101	9.5	24534.	+7807.7
639	9.5	194340.	+7904.9	729	9.5	221411.	+7938.3	13	9.3	01812.	+7829.6	102	9.4	24650.	+7820.8
640	8.0	194637.	+7939.2	730	9.5	221446.	+7917.2	13a	9.5	01914.	+7830.2	103	5.6	24705.	+7850.7
641	8.5	194812.	+7940.1	731	9.5	221507.	+7957.9	14	9.5	02015.	+7830.0	104	8.9	24710.	+7827.6
642	9.4	194837.	+7921.5	732	9.2	221602.	+7912.2	15	9.5	02204.	+7855.3	105	9.5	25125.	+7809.2
643	9.4	194911.	+7915.9	733	8.5	221738.	+7903.6	16	9.5	02257.	+7831.5	106	9.0	25414.	+7852.0
644	9.5	195034.	+7952.9	734	8.3	221825.	+7909.8	17	9.1	02546.	+7827.3	107	9.5	25538.	+7811.6
645	7.5	195142.	+7910.2	735	8.9	221832.	+7952.8	18	9.5	02657.	+7815.7	108	9.0	25629.	+7853.3
646	9.4	195248.	+7956.8	736	9.4	222401.	+7932.2	19	9.2	02949.	+7817.7	109	7.0	25819.	+7819.0
647	9.1	195326.	+7911.7	737	9.5	222422.	+7934.2	20	9.5	03206.	+7810.9	110	9.0	30140.	+7805.3
648	7.0	195404.	+7904.9	738	9.4	222555.	+7905.3	21	8.0	03248.	+7823.6	111	9.5	30409.	+7822.4
649	9.0	195837.	+7913.1	739	7.5	222609.	+7957.7	22	9.5	03454.	+7856.9	112	9.4	30502.	+7827.9
650	8.8	195913.	+7919.5	740	9.5	222624.	+7929.2	23	9.5	04042.	+7842.2	113	9.4	30520.	+7809.7
651	9.5	200212.	+7917.2	741	9.4	222719.	+7902.7	24	9.5	04057.	+7818.7	114	9.5	30840.	+7812.0
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653	9.0	200345.	+7932.8	743	9.0	223104.	+7926.4	26	9.4	04627.	+7822.9	116	9.5	31004.	+7815.0
654	9.5	200418.	+7939.2	744	9.5	223158.	+7953.4	27	9.1	04948.	+7804.5	117	9.2	31257.	+7812.8
655	8.3	200447.	+7906.2	744a	9.5	223222.	+7941.9	28	8.1	05059.	+7837.3	118	9.4	31336.	+7844.5
656	9.5	200648.	+7916.1	745	9.5	223407.	+7945.0	29	9.1	05118.	+7847.2	119	9.4	31339.	+7837.5
657	7.8	200720.	+7908.7	746	9.5	223434.	+7911.1	30	9.2	05228.	+7859.9	120	9.1	31411.	+7810.8
658	9.5	200800.	+7954.9	747	8.8	223627.	+7909.6	31	9.2	05323.	+7818.6	121	9.1	31417.	+7809.3
659	9.2	200946.	+7901.5	748	9.3	223921.	+7922.3	32	9.5	05543.	+7818.7	122	9.4	31611.	+7810.9
660	6.5	200949.	+7915.5	749	8.8	223922.	+7926.6	33	8.8	05807.	+7849.1	123	8.9	31712.	+7848.3
661	9.4	201218.	+7954.3	750	7.0	224246.	+7940.1	34	5.6	05959.	+7854.3	124	9.5	32000.	+7826.2
662	9.2	201214.	+7926.4	751	9.1	224256.	+7923.4	35	9.5	10554.	+7854.0	125	9.4	32043.	+7809.5
663	9.2	201426.	+7954.7	752	9.4	224423.	+7901.3	36	7.5	10920.	+7815.1	126	9.2	32221.	+7818.2
664	9.5	201551.	+7917.7	753	9.5	224452.	+7928.3	37	9.5	10954.	+7831.5	127	9.5	32350.	+7820.7
665	9.5	201749.	+7919.2	754	9.5	224604.	+7948.0	38	9.4	10959.	+7849.5	128	9.4	32432.	+7812.8
666	9.5	201832.	+7909.8	755	9.5	224704.	+7925.9	39	9.4	11215.	+7855.5	129	9.5	32633.	+7809.0
667	9.3	201846.	+7905.0	756	7.2	224754.	+7936.7	40	8.3	11226.	+7820.1	130	9.0	32714.	+7813.9
668	7.0	202014.	+7911.0	757	9.3	225037.	+7935.8	41	9.3	11228.	+7855.0	131	9.3	32846.	+7841.2
669	9.0	202111.	+7904.3	758	7.8	225144.	+7927.7	42	8.4	11258.	+7830.0	132	9.5	32905.	+7800.6
670	8.9	202244.	+7934.6	759	7.5	225637.	+7934.4	43	9.5	11550.	+7840.8	133	8.9	33305.	+7827.5
671	9.5	202511.	+7946.7	760	9.5	225733.	+7912.7	44	9.0	11750.	+7855.0	134	9.3	33330.	+7820.2
672	9.4	202721.	+7922.7	761	7.2	225845.	+7959.9	45	8.5	11847.	+7824.2	135	9.4	34059.	+7841.7
673	9.0	203123.	+7944.3	762	9.0	225917.	+7927.5	46	9.5	12204.	+7846.4	136	8.8	34123.	+7834.5
674	9.5	203202.	+7924.6	763	9.2	225939.	+7929.9	47	9.5	2235.	+7814.4	137	8.7	34234.	+7837.8
675	7.3	203238.	+7943.3	764	9.2	230030.	+7957.9	48	9.5	2236.	+7818.0	138	9.0	34346.	+7837.5
676	9.5	203846.	+7905.0	765	9.2	230122.	+7900.4	49	8.5	2247.	+7824.8	139	9.5	34505.	+7852.1
677	9.5	203955.	+7948.2	766	9.4	230233.	+7936.4	50	9.3	2248.	+7824.4	140	9.2	34527.	+7842.3
678	9.5	204159.	+7954.6	767	9.0	230400.	+7926.0	51	9.5	22559.	+7847.5	141	9.3	34533.	+7829.5
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680	9.5	204427.	+7920.6	769	7.5	230434.	+7946.8	53	9.5	22829.	+7838.5	143	8.5	34835.	+7801.5
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682	9.5	204500.	+7940.8	771	8.8	230754.	+7942.2	55	9.0	23215.	+7859.0	145	8.4	35023.	+7808.4
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688	9.3	205916.	+7915.7	777	7.8	231355.	+7906.4	61	9.2	24238.	+79348.1	151	8.2	40010.	+7838.3
689	9.5	210014.	+7958.1	778	9.5	231618.	+7900.0	62	8.3	24346.	+7859.7	152	9.4	40306.	+7839.8
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691	9.3	210330.	+7941.5	780	8.5	232036.	+7950.0	64	9.3	24525.	+7856.5	154	9.4	40940.	+7855.7
692	9.3	210330.	+7949.2	781	8.8	232144.	+7922.5	65	9.3	24647.	+7859.8	155	9.5	41335.	+7834.1
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694	9.0	210522.	+7954.7	783	9.5	232703.	+7917.2	67	9.0	24818.	+7825.6	157	7.5	41528.	+7840.8
695	9.5	210535.	+7917.4	784	9.3	232822.	+7913.7	68	9.0	25047.	+7804.8	158	9.3	41646.	+7834.9
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670	9.5	187921.	+7555.3	760	8.3	205116.	+7511.7	850	9.1	224001.	+7551.5	33	8.9	04046.	+7448.5
671	9.5	187957.	+7510.0	761	9.5	205201.	+7544.1	851	8.5	224340.	+7555.1	34	9.5	04205.	+7420.5
672	8.7	188004.	+7528.1	762	9.5	205324.	+7506.1	852	9.5	224445.	+7559.3	35	9.2	04215.	+7434.3
673	9.2	188337.	+7517.6	763	9.5	205536.	+7552.9	853	9.3	224752.	+7515.0	36	9.5	04310.	+7457.8
674	8.5	184051.	+7521.8	764	6.0	205629.	+7520.9	854	9.0	224833.	+7518.5	37	9.4	04353.	+7457.3
675	9.5	184119.	+7514.5	765	6.6	205742.	+7508.6	855	9.0	224843.	+7515.0	38	9.5	04504.	+7423.4
676	9.2	184144.	+7527.3	766	9.5	210044.	+7517.0	856	9.5	224912.	+7503.0	39	9.5	04504.	+7463.0
677	9.5	184339.	+7553.4	767	9.5	210220.	+7515.5	857	9.0	224944.	+7543.1	40	8.6	04722.	+7430.3
678	7.5	184603.	+7509.0	768	9.5	210231.	+7516.4	858	7.7	225034.	+7533.6	41	8.0	04744.	+7441.5
679	9.5	184754.	+7545.5	769	9.5	210312.	+7506.6	859	9.5	225053.	+7526.4	42	9.5	04822.	+7447.5
680	8.7	184754.	+7543.3	770	8.0	210427.	+7501.8	860	9.5	225058.	+7524.5	43	9.5	04847.	+7443.7
681	9.5	184827.	+7503.7	771	9.5	210454.	+7509.6	861	9.5	225147.	+7544.4	44	9.5	04923.	+7418.8
682	5.8	185103.	+7515.5	772	8.8	210515.	+7514.6	862	8.0	225211.	+7510.0	45	9.1	05404.	+7400.6
683	6.5	185825.	+7535.2	773	9.0	210731.	+7539.9	863	9.2	225314.	+7508.5	46	8.9	05417.	+7404.0
684	9.2	185838.	+7553.5	774	8.2	210822.	+7547.0	864	9.5	225358.	+7547.9	47	9.4	05443.	+7441.0
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688	9.1	190959.	+7543.5	778	6.8	211323.	+7542.5	868	9.4	225806.	+7517.8	51	9.5	05835.	+7435.8
689	9.3	191411.	+7523.3	779	9.5	211530.	+7515.0	869	8.7	225826.	+7543.8	52	9.5	05841.	+7415.3
690	8.0	191423.	+7555.9	780	9.5	211638.	+7540.5	870	9.3	230420.	+7503.6	53	9.0	10113.	+7441.0
691	9.3	191557.	+7541.0	781	8.4	211649.	+7556.3	871	8.5	230613.	+7514.3	54	9.5	10515.	+7450.8
692	9.3	191930.	+7514.6	782	8.9	211904.	+7529.2	872	9.5	230746.	+7501.6	55	9.5	10525.	+7402.0
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694	9.5	192106.	+7526.1	784	9.5	212013.	+7520.3	874	9.3	230938.	+7500.7	57	9.2	10715.	+7417.8
695	9.2	192530.	+7558.3	785	9.5	212027.	+7526.2	875	9.5	231119.	+7545.2	58	8.8	10720.	+7415.8
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700	9.4	193203.	+7556.1	790	9.4	212905.	+7555.5	880	8.8	232336.	+7549.7	63	9.4	11550.	+7403.2
701	8.9	193540.	+7521.1	791	7.3	212907.	+7546.0	881	9.2	232549.	+7510.9	64	9.5	11626.	+7411.5
702	8.5	193653.	+7516.8	792	8.0	213041.	+7540.0	882	9.0	232742.	+7548.3	65	9.1	12011.	+7422.2
703	9.5	193725.	+7528.5	793	9.5	213245.	+7518.8	883	9.5	232821.	+7554.5	66	9.4	12057.	+7403.0
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706	9.2	194305.	+7529.3	796	9.5	214050.	+7556.9	886	9.4	232954.	+7526.9	69	9.3	12524.	+7407.6
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712	9.5	195229.	+7516.5	802	9.0	214640.	+7531.1	892	9.3	233736.	+7525.0	75	9.3	13053.	+7429.8
713	8.5	195357.	+7540.6	803	9.5	215159.	+7545.7	893	8.6	233841.	+7551.9	76	8.0	13118.	+7400.8
714	8.5	195424.	+7501.3	804	9.5	215400.	+7544.7	894	9.0	234107.	+7545.3	77	9.2	13312.	+7423.0
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716	9.1	195846.	+7529.8	806	9.4	215620.	+7524.5	896	8.7	234645.	+7507.0	79	9.5	13515.	+7435.4
717	8.5	195848.	+7511.1	807	9.5	215642.	+7538.6	897	8.4	234646.	+7546.3	80	9.2	13545.	+7422.7
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720	9.5	200700.	+7538.5	810	9.4	215749.	+7521.0	900	9.5	234925.	+7503.1	83	9.2	13807.	+7419.5
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727	9.5	201427.	+7517.9	817	9.4	221004.	+7543.7	907	8.8	235759.	+7529.1	90	8.8	14817.	+7429.8
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732	9.5	202036.	+7533.8	822	7.3	221706.	+7517.0	5	9.0	01108.	+7425.7	95	7.5	15351.	+7410.2
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734	9.4	202049.	+7542.3	824	9.3	221910.	+7524.8	7	9.2	01146.	+7432.8	97	9.5	15527.	+7431.3
735	8.5	202107.	+7518.0	825	8.7	221952.	+7524.8	8	8.5	01407.	+7415.5	98	9.5	15633.	+7415.1
736	9.2	202156.	+7546.5	826	9.3	222102.	+7514.2	9	9.5	01515.	+7415.5	99	9.5	15737.	+7439.6
737	9.0	202307.	+7538.1	827	9.1	222258.	+7556.1	10	9.5	01608.	+7440.5	100	9.4	15840.	+7454.9
738	9.5	202343.	+7533.3	828	8.9	222327.	+7526.4	11	9.2	01619.	+7402.8	101	9.5	15903.	+7425.0
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865	8.0	185100.	+7215.5	955	8.5	202809.	+7215.2	1045	8.5	222841.	+7206.7	1135	6.5	235419.	+7247.9
866	9.5	185113.	+7229.4	956	8.8	202927.	+7245.1	1046	9.0	222858.	+7235.1	1136	7.0	235558.	+7221.4
867	9.5	185238.	+7238.8	957	6.3	203036.	+7202.9	1047	8.2	222903.	+7226.3	1137	9.3	235713.	+7224.8
868	9.5	185340.	+7247.7	958	9.5	203422.	+7208.8	1048	9.5	222922.	+7233.8	1138	9.5	235730.	+7257.6
869	9.5	185439.	+7253.3	959	9.4	203448.	+7201.8	1049	5.5	223214.	+7254.1	1139	9.5	235826.	+7246.5
870	9.0	185503.	+7256.3	960	8.4	203525.	+7258.7	1050	7.0	223225.	+7207.7	1140	8.0	235936.	+7224.2
871	8.9	185818.	+7257.8	961	8.0	203900.	+7212.5	1051	8.7	223231.	+7206.9	1141	9.5	235955.	+7258.3
872	9.5	185837.	+7231.4	962	7.0	204150.	+7226.8	1052	9.5	223441.	+7212.1	1	9.4	00030.	+7105.3
873	9.4	185850.	+7217.6	963	9.2	204210.	+7209.7	1053	8.8	223505.	+7213.1	2	8.8	00052.	+7110.0
874	9.2	185946.	+7250.8	964	8.5	204646.	+7246.9	1054	9.5	223655.	+7211.6	3	9.5	00111.	+7127.1
875	9.3	190118.	+7227.9	965	9.5	204824.	+7218.3	1055	7.3	223737.	+7229.8	4	9.5	00333.	+7154.9
876	9.5	190936.	+7200.9	966	8.5	205022.	+7201.9	1056	8.8	223920.	+7259.3	5	9.5	00348.	+7116.8
877	8.0	191005.	+7201.6	967	7.5	205125.	+7224.0	1057	9.1	223932.	+7248.3	6	9.4	00459.	+7139.1
878	8.8	191020.	+7237.5	968	7.5	205156.	+7230.4	1058	9.4	223947.	+7204.2	7	9.3	00549.	+7154.9
879	9.5	191038.	+7230.4	969	9.0	205356.	+7202.4	1059	9.4	224151.	+7253.4	8	9.2	00554.	+7145.0
880	9.3	191156.	+7255.0	970	9.5	205433.	+7252.4	1060	9.5	224151.	+7259.7	9	9.2	00822.	+7107.3
881	9.4	191214.	+7252.5	971	9.5	205701.	+7211.3	1061	9.5	224203.	+7212.1	10	8.5	00944.	+7112.8
882	9.4	191234.	+7246.2	972	9.3	205900.	+7228.4	1062	9.1	224326.	+7236.9	11	9.5	01435.	+7126.6
883	9.1	191532.	+7238.3	973	9.5	210035.	+7208.2	1063	9.5	224414.	+7240.9	12	9.5	01455.	+7130.1
884	8.9	191753.	+7239.9	974	8.9	210104.	+7224.5	1064	9.3	224418.	+7210.3	13	9.5	01457.	+7125.1
885	9.3	191840.	+7254.9	975	9.5	210420.	+7256.5	1065	9.4	224432.	+7249.2	14	9.5	01640.	+7152.0
886	9.1	191948.	+7235.2	976	8.3	210455.	+7236.3	1066	9.3	224503.	+7250.4	15	9.5	01721.	+7124.0
887	9.0	192027.	+7227.4	977	9.2	210931.	+7243.0	1067	9.5	224526.	+7226.1	16	6.6	01731.	+7100.2
888	9.1	192107.	+7200.2	978	9.3	211103.	+7257.7	1068	9.5	224646.	+7243.3	17	9.2	01731.	+7111.2
889	9.4	192239.	+7252.1	979	9.0	211237.	+7238.2	1069	9.4	224658.	+7252.6	18	9.5	01741.	+7106.0
890	9.4	192300.	+7249.6	980	7.3	211350.	+7233.9	1070	9.5	224829.	+7227.1	19	8.5	02150.	+7145.1
891	8.0	192601.	+7218.0	981	8.3	211402.	+7248.4	1071	9.5	224840.	+7242.8	20	9.5	02414.	+7141.6
892	9.5	192650.	+7252.8	982	8.7	211557.	+7253.8	1072	9.1	224928.	+7205.0	21	9.5	02513.	+7100.4
893	9.5	192718.	+7220.0	983	9.3	211858.	+7207.8	1073	8.5	225116.	+7203.6	22	9.2	02520.	+7138.2
894	9.5	192841.	+7249.4	984	8.4	211958.	+7232.7	1074	9.4	225122.	+7234.1	23	9.0	02600.	+7157.0
895	7.5	192945.	+7210.6	985	9.5	212107.	+7220.5	1075	9.4	225130.	+7206.5	24	9.0	02609.	+7143.1
896	9.5	193022.	+7234.2	986	8.8	212524.	+7225.0	1076	7.5	225139.	+7203.6	25	8.5	02711.	+7142.1
897	9.5	193030.	+7246.1	987	9.5	212631.	+7211.8	1077	9.0	225310.	+7209.7	26	9.2	02825.	+7102.3
898	9.4	193118.	+7226.9	988	9.0	212842.	+7243.7	1078	9.2	225313.	+7249.0	27	9.5	02942.	+7157.4
899	9.3	193135.	+7203.6	989	9.5	212847.	+7232.4	1079	6.6	225318.	+7220.8	28	8.8	03057.	+7117.2
900	9.3	193144.	+7215.9	990	9.4	212910.	+7243.7	1080	9.4	225540.	+7206.7	29	9.0	03233.	+7159.8
901	9.5	193154.	+7251.8	991	7.5	212944.	+7250.1	1081	9.5	225748.	+7219.3	30	9.3	03306.	+7127.7
902	9.0	193212.	+7230.8	992	8.8	213031.	+7235.5	1082	9.0	225748.	+7235.0	31	9.3	03428.	+7122.9
903	9.4	193740.	+7243.6	993	7.5	213203.	+7218.5	1083	9.5	225922.	+7237.9	32	9.5	03439.	+7104.3
904	8.6	193750.	+7248.4	994	8.9	213219.	+7235.3	1084	9.3	225925.	+7252.7	33	9.5	03457.	+7112.0
905	9.5	193813.	+7254.8	995	9.5	213301.	+7206.8	1085	9.5	225933.	+7236.1	34	9.3	03509.	+7129.7
906	8.8	194248.	+7235.8	996	9.5	213521.	+7210.3	1086	9.5	230305.	+7206.1	35	9.2	03519.	+7134.6
907	9.0	194410.	+7218.2	997	9.5	213538.	+7213.7	1087	9.5	230504.	+7237.5	36	9.3	03810.	+7149.9
908	8.5	194410.	+7206.9	998	9.3	213832.	+7205.8	1088	9.5	230604.	+7204.6	37	6.5	03845.	+7152.9
909	8.3	194438.	+7210.2	999	9.3	214602.	+7203.8	1089	9.5	230705.	+7244.0	38	9.5	03927.	+7126.1
910	9.5	194649.	+7250.4	1000	9.5	214627.	+7221.4	1090	9.4	230742.	+7221.6	39	9.5	04203.	+7145.3
911	7.1	194828.	+7205.8	1001	9.5	214841.	+7229.8	1091	9.5	230753.	+7214.3	40	9.5	04325.	+7122.2
912	8.1	194943.	+7257.1	1002	8.6	214946.	+7209.1	1092	8.6	230815.	+7226.2	41	8.9	04424.	+7106.3
913	9.5	194954.	+7242.0	1003	6.5	215108.	+7259.5	1093	8.8	230845.	+7205.2	42	9.5	04716.	+7146.3
914	8.7	195012.	+7201.0	1004	9.5	215245.	+7225.8	1094	9.4	231045.	+7256.2	43	9.0	04925.	+7121.6
915	9.4	195109.	+7246.7	1005	9.5	215316.	+7217.0	1095	9.3	231153.	+7227.7	44	9.5	05008.	+7120.0
916	9.1	195125.	+7255.2	1006	9.5	215321.	+7253.6	1096	6.8	231241.	+7253.6	45	9.5	05009.	+7100.4
917	9.3	195214.	+7248.2	1007	9.2	215439.	+7249.7	1097	9.5	231320.	+7219.8	46	9.4	05154.	+7120.2
918	9.5	195215.	+7219.6	1008	9.5	215526.	+7217.0	1098	9.5	231349.	+7258.6	47	9.5	05224.	+7128.9
919	9.5	195243.	+7248.0	1009	5.0	215710.	+7228.2	1099	9.5	231421.	+7230.7	48	9.1	05244.	+7119.9
920	9.5	195418.	+7248.5	1010	9.5	215722.	+7207.2	1100	9.5	231602.	+7228.1	49	9.1	05253.	+7152.2
921	9.5	195423.	+7214.2	1011	9.1	215822.	+7213.1	1101	9.4	231959.	+7249.3	50	9.5	05335.	+7114.7
922	9.5	195454.	+7239.7	1012	9.5	215829.	+7221.9	1102	9.3	232121.	+7207.1	51	9.1	05530.	+7126.5
923	9.5	195459.	+7255.8	1013	9.3	215944.	+7200.3	1103	9.0	232424.	+7200.7	52	9.5	05724.	+7121.4
924	9.5	195618.	+7237.4	1014	9.2	220149.	+7247.2	1104	9.4	232426.	+7257.9	53	9.4	05736.	+7123.9
925	9.5	195656.	+7252.0	1015	9.0	220156.	+7228.8	1105	9.5	232539.	+7227.0	54	9.4	05934.	+7119.0
926	8.0	195819.	+7232.4	1016	8.5	220515.	+7214.5	1106	9.5	232548.	+7231.8	55	9.5	10036.	+7150.1
927	9.5	200147.	+7241.6	1017	7.2	220541.	+7204.3	1107	8.8	232550.	+7228.8	56	9.2	10120.	+7101.7
928	8.9	200245.	+7229.4	1018	9.1	220631.	+7210.6	1108	9.4	232633.	+7258.5	57	8.9	10214.	+7137.9
929	9.5	200317.	+7225.5	1019	8.9	220651.	+7242.6	1109	7.5	232800.	+7207.5	58	8.7	10315.	+7122.5
930	9.3	200333.	+7235.4	1020	8.4	220712.	+7240.6	1110	9.5	233201.	+7207.1	59	8.3	10346.	+7143.7
931	9.2	200415.	+7212.7	1021	9.5	220957.	+7207.2	1111	9.0	233218.	+7249.7	60	9.5	10438.	+7109.6
932	9.4	200455.	+7226.1	1022	6.5	221014.	+7236.1	1112	9.2	233219.	+7208.5	61	9.4	10510.	+7112.0
933	8.0	200610.	+7233.3	1023	9.5	221022.	+7208.1	1113	9.5	233444.	+7223.8	62	9.4	10628.	+7140.7
934	7.5	200613.	+7220.6	1024	9.5	221313.	+7211.6	1114	9.5	233542.	+7254.7	63	9.3	10805.	+7109.1
935	9.4	200633.	+7252.3	1025	8.2	221338.	+7252.8	1115	9.5	233605.	+7250.5	64	6.8	10814.	+7138.5
936	9.3	200701.	+7246.8	1026	9.4	221455.	+7231.7	1116	9.0	233631.	+7215.9	65	9.5	10819.	+7158.2
937	9.3	200916.	+7232.4	1027	9.5	221504.	+7235.4	1117	8.5	233707.	+7233.2	66	30.0	10904.	+7150.8
938	9.4	201000.	+7240.0	1028	9.5	221639.	+7213.1	1118	9.5	233902.	+7231.2	67	8.6	10906.	+7159.0
939	9.5	201002.	+7247.1	1029	9.1	221648.	+7219.9	1119	9.5	233925.	+7247.1	68	9.5	10912.	+7107.9
940	9.4	201210.	+7204.4	1030	9.5	221752.	+7208.2	1120	9.5	233926.	+7235.5	69	9.5	10924.	+7148.5
941	8.2	201212.	+7214.2	1031	9.5	221839.	+7253.3	1121	9.5	234015.	+7256.2	70	9.1	10938.	+7118.6
942	9.5	201748.	+7208.4	1032	9.0	221906.	+7238.1	1122	9.4	234321.	+7250.0	71	9.4	10944.	+7138.9
943	6.8	201433.	+7226.0	1033											

+71 84 1h22m

+71 443 7h53m

84	9.2	12210.	+7131.6	174	9.5	24001.	+7100.8	264	8.7	42126.	+7110.1	354	9.4	61532.	+7151.7
85	8.5	12244.	+7106.0	175	9.2	24130.	+7144.2	265	8.0	42155.	+7110.1	355	9.5	61755.	+7113.6
86	9.5	12336.	+7106.5	176	9.5	24130.	+7131.0	266	9.4	42432.	+7139.4	356	8.2	61951.	+7125.5
87	7.8	12422.	+7140.4	177	9.0	24143.	+7112.5	267	9.5	42530.	+7137.8	357	9.0	62011.	+7132.1
88	9.5	12428.	+7123.8	178	9.4	24321.	+7146.9	268	8.9	42543.	+7103.6	358	8.0	62212.	+7114.6
89	8.8	12530.	+7112.9	179	7.9	24359.	+7133.5	269	9.3	42548.	+7104.6	359	6.0	62324.	+7152.0
90	9.5	12647.	+7127.3	180	8.3	24810.	+7126.1	270	9.5	42706.	+7145.1	360	9.0	62324.	+7148.8
91	8.0	12700.	+7150.1	181	9.4	24842.	+7103.8	271	8.9	42909.	+7126.4	361	9.1	62528.	+7123.9
92	9.5	12957.	+7114.1	182	9.2	24931.	+7158.1	272	9.5	43005.	+7110.5	362	9.4	62603.	+7131.1
93	8.8	13001.	+7130.4	183	9.5	25023.	+7102.3	273	9.4	43255.	+7124.6	363	8.7	62940.	+7129.8
94	9.5	13052.	+7143.4	184	9.1	25045.	+7144.4	274	9.5	43310.	+7121.8	364	9.5	63133.	+7150.7
95	9.5	13122.	+7119.3	185	9.5	25046.	+7155.0	275	8.6	43328.	+7127.3	365	8.4	63247.	+7145.7
96	9.5	13149.	+7106.7	186	9.4	25259.	+7138.5	276	8.7	43458.	+7118.1	366	9.0	63312.	+7109.4
97	9.5	13231.	+7107.6	187	8.0	25410.	+7158.7	277	9.4	43537.	+7112.1	367	9.5	63512.	+7101.1
98	9.0	13231.	+7117.3	188	9.5	25922.	+7104.5	278	9.0	43929.	+7101.2	368	9.2	63933.	+7123.7
99	9.1	13300.	+7145.8	189	9.5	30151.	+7101.3	279	8.8	44028.	+7138.7	369	9.3	63948.	+7139.4
100	8.2	13341.	+7109.4	190	8.9	30344.	+7144.9	280	8.5	44138.	+7109.5	370	9.5	64018.	+7113.8
101	9.1	13341.	+7132.4	191	9.5	30533.	+7124.7	281	9.2	44208.	+7118.4	371	8.7	64127.	+7155.3
102	8.8	13357.	+7127.9	192	9.5	30626.	+7110.9	282	8.0	44250.	+7122.9	372	8.8	64201.	+7105.4
103	9.1	13400.	+7132.6	193	9.5	30651.	+7154.2	283	8.8	44255.	+7115.5	373	9.5	64241.	+7141.0
104	8.7	13447.	+7131.1	194	9.5	30657.	+7111.7	284	9.2	44343.	+7121.3	374	9.0	64512.	+7106.5
105	9.0	13531.	+7102.5	195	8.9	30755.	+7132.1	285	8.5	44350.	+7113.9	375	9.4	64538.	+7138.2
106	9.1	13731.	+7100.6	196	9.2	31041.	+7101.3	286	9.5	44522.	+7120.9	376	9.4	64604.	+7131.2
107	9.1	13750.	+7101.0	197	7.6	31043.	+7109.6	287	8.4	44600.	+7105.2	377	9.0	64618.	+7133.0
108	9.1	13932.	+7153.1	198	7.2	31141.	+7140.8	288	8.2	44625.	+7156.6	378	7.7	64635.	+7156.8
109	8.5	14249.	+7122.1	199	9.5	31415.	+7133.8	289	9.5	44851.	+7143.4	379	9.3	64720.	+7127.7
110	9.1	14257.	+7147.8	200	9.5	31417.	+7140.1	290	8.0	45017.	+7152.3	380	9.4	64722.	+7125.2
111	7.4	14518.	+7100.2	201	6.5	31521.	+7121.1	291	9.5	45226.	+7133.4	381	8.8	64823.	+7139.8
112	9.4	14650.	+7144.5	202	8.7	31622.	+7139.8	292	8.2	45301.	+7120.7	382	9.4	64841.	+7120.9
113	9.3	14750.	+7114.5	203	8.5	31631.	+7130.3	293	9.5	45338.	+7135.0	383	9.5	65022.	+7121.4
114	9.4	14806.	+7101.5	204	8.4	31632.	+7120.9	294	8.7	45446.	+7128.5	384	9.4	65045.	+7125.7
115	9.4	14813.	+7145.3	205	8.6	31635.	+7140.5	295	9.0	45516.	+7121.5	385	9.5	65218.	+7118.7
116	9.5	14956.	+7150.2	206	9.5	31847.	+7107.3	296	9.1	45625.	+7114.5	386	9.5	65326.	+7150.8
117	4.0	15112.	+7141.8	207	9.3	31921.	+7142.5	297	9.5	45711.	+7132.5	387	9.3	65914.	+7111.4
118	9.5	15325.	+7153.7	208	9.4	31935.	+7133.6	298	9.0	50249.	+7118.5	388	8.9	70005.	+7148.5
119	8.0	15546.	+7108.4	209	9.5	32247.	+7143.9	299	6.8	50345.	+7132.8	389	8.3	70157.	+7109.9
120	8.8	15610.	+7113.8	210	9.5	32331.	+7152.7	300	7.5	50421.	+7103.2	390	9.4	70328.	+7134.5
121	8.7	15863.	+7136.9	211	9.5	32408.	+7145.8	301	9.3	50451.	+7150.2	391	8.1	70330.	+7130.6
122	9.1	20013.	+7110.4	212	9.5	32443.	+7150.2	302	9.5	50852.	+7114.0	392	9.5	70333.	+7149.9
123	9.5	20220.	+7153.5	213	8.4	32535.	+7109.8	303	9.1	50942.	+7149.3	393	9.5	70452.	+7149.0
124	9.3	20249.	+7144.3	214	9.5	32706.	+7131.4	304	8.4	50949.	+7102.7	394	9.3	70456.	+7123.0
125	8.9	20259.	+7137.2	215	9.0	32947.	+7149.3	305	9.5	51043.	+7122.3	395	9.5	70621.	+7120.8
126	9.5	20301.	+7109.4	216	7.0	33058.	+7108.8	306	7.7	51350.	+7146.9	396	9.5	70947.	+7121.7
127	8.4	20512.	+7139.8	217	9.0	33225.	+7100.0	307	9.5	51351.	+7120.9	397	9.5	71328.	+7157.3
128	9.0	20654.	+7105.9	218	9.5	33329.	+7130.6	308	9.0	51415.	+7156.2	398	9.5	71402.	+7149.0
129	9.5	20705.	+7151.6	219	9.4	33418.	+7155.1	309	9.5	51422.	+7138.2	399	9.5	71458.	+7102.9
130	9.5	20729.	+7157.5	220	9.3	33636.	+7154.6	310	9.4	51640.	+7145.8	400	9.3	71458.	+7131.0
131	9.1	20849.	+7131.6	221	9.0	33831.	+7158.9	311	9.4	51654.	+7137.1	401	9.5	71519.	+7146.5
132	9.5	20914.	+7124.5	222	6.5	34058.	+7122.0	312	9.4	51850.	+7150.6	402	7.3	71548.	+7139.5
133	9.4	20927.	+7146.2	223	9.1	34209.	+7100.5	313	6.8	52050.	+7133.2	403	9.4	71707.	+7108.9
134	9.3	21115.	+7154.5	224	9.0	34316.	+7126.0	314	8.0	52458.	+7132.8	404	9.0	71722.	+7156.8
135	9.5	21153.	+7117.6	225	9.5	34559.	+7109.8	315	8.6	52542.	+7112.0	405	7.4	71744.	+7153.1
136	9.5	21224.	+7143.2	226	9.4	34814.	+7153.8	316	8.8	52637.	+7136.6	406	9.3	71750.	+7123.6
137	9.4	21313.	+7133.6	227	9.1	34900.	+7148.6	317	9.4	52754.	+7146.2	407	9.5	71858.	+7152.8
138	9.4	21355.	+7123.0	228	9.5	34955.	+7103.9	318	9.2	52833.	+7120.9	408	9.5	72101.	+7132.5
139	8.7	21441.	+7107.6	229	8.9	35039.	+7137.6	319	8.0	52855.	+7150.7	409	9.5	72221.	+7135.8
140	7.7	21445.	+7128.5	230	9.5	35150.	+7138.6	320	9.2	52940.	+7131.6	410	9.5	72309.	+7119.1
141	8.5	21530.	+7111.9	231	9.5	35305.	+7111.7	321	9.4	53103.	+7155.5	411	8.8	72404.	+7159.8
142	9.3	21532.	+7130.2	232	9.5	35338.	+7155.3	322	9.5	53355.	+7154.5	412	9.5	72523.	+7159.8
143	9.5	21542.	+7122.4	233	9.5	35346.	+7158.8	323	9.2	53519.	+7136.6	413	9.5	72529.	+7157.8
144	9.3	21631.	+7126.6	234	9.5	35441.	+7125.2	324	6.7	53522.	+7114.6	414	9.3	72622.	+7127.3
145	9.1	21717.	+7131.9	235	9.0	35445.	+7137.1	325	9.1	53530.	+7103.3	415	9.0	72640.	+7100.5
146	8.5	21723.	+7133.9	236	9.5	35455.	+7119.1	326	9.5	53739.	+7101.6	416	9.5	72756.	+7152.3
147	9.4	21758.	+7136.8	237	8.9	35634.	+7153.6	327	9.5	54027.	+7122.4	417	9.5	72820.	+7125.0
148	9.5	21907.	+7107.1	238	9.5	35732.	+7127.5	328	9.2	54144.	+7131.9	418	9.5	72824.	+7158.8
149	9.5	22015.	+7103.3	239	6.3	35740.	+7144.0	329	9.5	54144.	+7136.5	419	8.3	72833.	+7104.4
150	9.3	22256.	+7124.7	240	9.5	35838.	+7113.2	330	9.3	54146.	+7142.4	420	9.5	73103.	+7149.5
151	9.5	22305.	+7133.5	241	9.5	40047.	+7113.7	331	9.0	54205.	+7119.2	421	9.5	73126.	+7148.5
152	9.4	22538.	+7128.9	242	9.2	40110.	+7155.0	332	9.3	54240.	+7155.0	422	9.5	73127.	+7158.3
153	8.4	22641.	+7140.3	243	9.5	40130.	+7140.0	333	9.4	54436.	+7129.2	423	9.4	73130.	+7115.2
154	9.1	22645.	+7132.2	244	9.1	40140.	+7148.3	334	9.2	54739.	+7105.1	424	9.0	73203.	+7108.9
155	9.2	22733.	+7116.2	245	9.0	40150.	+7153.0	335	9.5	54835.	+7122.8	425	9.5	73314.	+7134.9
156	9.4	22800.	+7151.1	246	9.5	40257.	+7154.3	336	8.6	54854.	+7101.0	426	9.5	73406.	+7109.4
157	8.5	22824.	+7103.8	247	9.0	40505.	+7143.0	337	9.5	54906.	+7131.1	427	9.2	73556.	+7148.5
158	9.0	22926.	+7129.9	248	9.5	40536.	+7147.0	338	9.3	55247.	+7140.8	428	8.0	73610.	+7135.2
159	9.1	22941.	+7129.2	249	9.3	40851.	+7149.4	339	9.1	55339.	+7134.2	429	6.8	73827.	+7127.0
160	9.4	23145.	+7121.5	250	7.5	41056.	+7125.1	340	7.0	55505.	+7108.1	430	9.0	74145.	+7106.2
161	9.1	23147.	+7102.0	251	9.5	41122.	+7127.0	341	9.5	55510.	+7113.3	431	9.5	74217.	+7137.0
162	9.5	23229.	+7159.7	252	8.7	41125.	+7137.8	342	9.3	55552.	+7140.4	432	9.0	74317.	+7107.2
163	8.4	23239.	+7121.0	253	9.0	41222.	+7140.6	343	9.5	55614.	+7113.3	433	9.3	74415.	+7153.6
164	9.4	23300.	+7121.0	254	8.0	41251.	+7119.6	344	9.3	55814.	+7101.1	434			

444	9.4	75636.	+7129.8	533	9.5	100541.	+7142.2	623	9.5	123401.	+7151.8	713	9.4	150607.	+7154.3
445	9.2	75723.	+7129.3	534	6.3	100606.	+7147.1	624	9.1	123416.	+7135.4	714	9.3	150944.	+7150.9
446	8.9	80116.	+7138.2	535	9.3	100714.	+7109.1	625	9.5	123642.	+7155.2	715	9.4	151008.	+7119.6
447	9.0	80217.	+7112.6	536	9.0	101111.	+7159.6	626	9.5	123816.	+7138.8	716	8.6	151053.	+7133.6
448	9.5	80316.	+7104.2	537	9.4	101446.	+7104.4	627	9.1	123942.	+7115.2	717	9.5	151212.	+7129.0
449	9.5	80402.	+7158.0	538	9.3	101500.	+7121.4	628	9.5	124106.	+7106.3	718	7.5	151322.	+7151.9
450	9.5	80701.	+7156.0	539	9.5	101757.	+7102.8	629	9.2	124134.	+7132.4	719	9.5	151452.	+7130.2
451	9.5	80939.	+7118.9	540	9.5	101805.	+7128.6	630	7.0	124275.	+7144.4	720	8.8	151527.	+7149.4
452	9.4	81057.	+7151.0	541	9.5	101834.	+7132.8	631	8.6	124429.	+7110.3	721	9.5	151532.	+7114.7
453	8.8	81119.	+7130.7	542	8.7	102625.	+7124.9	632	9.5	124430.	+7159.7	722	7.7	151713.	+7144.5
454	9.0	81150.	+7147.2	543	9.5	102657.	+7150.4	633	9.5	124535.	+7153.6	723	9.2	151947.	+7132.6
455	9.4	81203.	+7149.1	544	9.5	102808.	+7110.5	634	9.5	124819.	+7142.9	724	8.8	152059.	+7110.3
456	9.5	81344.	+7128.4	545	9.0	102933.	+7152.2	635	9.3	124953.	+7110.2	725	9.5	152112.	+7141.0
457	8.8	81404.	+7144.7	546	9.5	103006.	+7116.9	636	7.8	125159.	+7132.4	726	9.3	152248.	+7130.1
458	9.5	81504.	+7125.9	547	9.5	103311.	+7135.7	637	9.4	125344.	+7115.7	727	9.5	152256.	+7104.6
459	7.7	81616.	+7130.3	548	9.1	103601.	+7106.1	638	7.2	125356.	+7122.6	728	9.2	152321.	+7130.0
460	9.0	81840.	+7109.3	549	9.5	103809.	+7118.4	639	8.8	125443.	+7150.4	729	9.5	152419.	+7114.9
461	9.5	82003.	+7102.7	550	9.5	103958.	+7110.1	640	9.3	125629.	+7125.6	730	8.0	152610.	+7149.1
462	9.5	82203.	+7101.7	551	9.3	104127.	+7105.6	641	9.5	125835.	+7152.7	731	9.5	152741.	+7149.4
463	9.5	82310.	+7103.2	552	8.8	104403.	+7124.1	642	9.2	125837.	+7140.0	732	9.1	152818.	+7109.2
464	9.5	82356.	+7142.7	553	9.5	104637.	+7156.8	643	9.5	130107.	+7104.4	733	8.3	152849.	+7110.0
465	9.5	82559.	+7156.0	554	9.1	104901.	+7122.8	644	9.5	130452.	+7113.7	734	9.0	153017.	+7146.9
466	9.5	82947.	+7118.9	555	9.5	104933.	+7150.6	645	9.5	130731.	+7118.2	735	8.8	153253.	+7110.5
467	9.3	83015.	+7151.1	556	9.5	104935.	+7156.8	646	9.5	131019.	+7104.4	736	8.5	153305.	+7149.1
468	8.5	83027.	+7148.6	557	7.9	105229.	+7109.6	647	9.3	131332.	+7138.3	737	9.1	153321.	+7107.0
469	9.3	83048.	+7109.6	558	8.6	105448.	+7110.0	648	9.3	131553.	+7115.2	738	9.5	153357.	+7137.9
470	7.8	83129.	+7127.7	559	9.5	105611.	+7100.7	649	9.5	131646.	+7121.0	739	9.0	153513.	+7147.2
471	9.3	83150.	+7113.0	560	9.5	105653.	+7105.6	650	9.5	132024.	+7132.7	740	8.9	153601.	+7151.1
472	9.5	83155.	+7119.4	561	9.5	110010.	+7143.5	651	7.2	132306.	+7104.6	741	7.2	153812.	+7136.7
473	9.4	83207.	+7159.5	562	9.0	110328.	+7132.9	652	8.8	132457.	+7116.9	742	9.0	153835.	+7105.1
474	8.7	83218.	+7106.1	563	9.3	110345.	+7147.5	653	9.3	132704.	+7129.0	743	9.4	154105.	+7136.0
475	8.9	83251.	+7147.2	564	9.5	110428.	+7104.6	654	7.3	132737.	+7110.1	744	9.5	154320.	+7115.9
476	9.4	83358.	+7126.6	565	9.4	110654.	+7135.7	655	9.3	132910.	+7157.2	745	9.5	154333.	+7125.8
477	9.1	83426.	+7125.6	566	9.1	110804.	+7128.9	656	9.5	132925.	+7106.2	746	9.5	154444.	+7119.4
478	9.5	83737.	+7146.7	567	9.3	110810.	+7142.1	657	9.5	133024.	+7132.6	747	8.7	154500.	+7140.1
479	9.4	83933.	+7113.5	568	7.5	111044.	+7144.0	658	9.5	133039.	+7152.8	748	9.1	154502.	+7122.8
480	9.3	83934.	+7107.1	569	9.5	111204.	+7153.9	659	5.8	133343.	+7159.1	749	9.1	154509.	+7137.2
481	8.7	83960.	+7100.7	570	9.3	111235.	+7145.6	660	9.5	133552.	+7124.7	750	9.5	154749.	+7146.7
482	8.5	84137.	+7121.0	571	9.2	111241.	+7142.0	661	9.5	133731.	+7103.2	751	9.2	154811.	+7103.1
482a	8.9	84138.	+7121.1	572	9.5	111546.	+7144.0	662	9.5	133813.	+7101.6	752	9.0	155030.	+7106.6
483	8.5	84332.	+7158.5	573	9.5	111957.	+7103.2	663	9.1	133936.	+7110.1	753	7.7	155229.	+7146.7
484	7.0	84401.	+7113.5	574	9.1	112103.	+7141.5	664	9.2	134012.	+7128.9	754	8.5	155432.	+7142.3
485	8.7	84706.	+7158.9	575	9.5	112411.	+7151.4	665	9.3	134141.	+7130.3	755	9.5	155516.	+7133.9
486	6.7	84932.	+7151.6	576	8.5	112635.	+7135.9	666	9.0	134730.	+7151.8	756	9.1	155519.	+7103.3
487	8.8	84938.	+7159.9	577	9.0	112734.	+7144.2	667	9.1	134805.	+7120.9	757	9.5	155524.	+7156.0
488	9.4	85247.	+7144.5	578	9.5	112853.	+7121.3	668	9.4	134829.	+7126.2	758	9.4	155539.	+7104.6
489	8.8	85326.	+7104.6	579	9.4	112854.	+7143.0	669	9.2	135036.	+7126.8	759	9.1	155620.	+7101.3
490	9.4	85558.	+7136.5	580	9.5	112916.	+7141.0	670	8.9	135141.	+7109.1	760	9.5	155641.	+7139.3
491	9.3	85650.	+7155.7	581	9.1	112950.	+7117.8	671	9.3	135345.	+7134.9	761	9.2	155839.	+7151.6
492	6.5	85650.	+7157.4	582	9.0	113007.	+7132.5	672	9.0	135503.	+7112.5	762	7.0	155905.	+7119.5
493	9.5	90041.	+7131.8	583	9.1	113317.	+7144.4	673	8.0	135808.	+7139.4	763	9.5	160027.	+7103.2
494	9.5	90212.	+7120.9	584	9.5	113652.	+7114.0	674	7.7	135915.	+7101.7	764	8.2	160456.	+7130.6
495	9.5	90306.	+7140.0	585	9.5	113659.	+7109.3	675	9.5	140209.	+7131.3	765	9.5	160542.	+7117.0
496	9.0	90320.	+7155.3	586	9.5	113839.	+7101.0	676	9.5	140234.	+7104.8	766	9.3	160850.	+7154.2
497	9.0	90539.	+7141.0	587	9.5	114022.	+7102.0	677	8.7	140402.	+7138.8	767	9.5	161116.	+7115.5
498	9.5	90601.	+7113.8	588	8.0	114304.	+7154.6	678	9.4	140420.	+7117.5	768	7.5	161203.	+7140.5
499	9.0	90617.	+7100.5	589	9.5	114406.	+7126.2	679	9.4	140515.	+7115.5	769	9.0	161427.	+7151.6
500	9.1	90756.	+7130.8	590	9.5	114520.	+7154.7	680	9.4	140517.	+7154.2	770	9.0	161428.	+7159.9
501	9.5	90855.	+7114.7	591	8.5	114843.	+7105.4	681	9.5	140620.	+7153.3	771	9.4	161430.	+7123.0
502	9.5	91143.	+7154.2	592	9.5	114970.	+7156.7	682	8.5	140905.	+7102.2	772	9.5	161523.	+7108.5
503	8.5	91201.	+7103.5	593	9.4	115005.	+7136.9	683	9.1	141519.	+7101.6	773	9.5	161532.	+7149.1
504	7.3	92105.	+7142.0	594	8.7	115218.	+7108.9	684	9.3	141833.	+7100.6	774	8.0	161544.	+7111.5
505	9.5	92413.	+7144.7	595	8.0	115231.	+7128.2	685	8.8	142113.	+7108.0	775	7.3	161553.	+7117.9
506	9.5	92503.	+7100.7	596	8.0	115235.	+7127.7	686	8.8	142410.	+7130.5	776	9.1	161601.	+7152.0
507	9.2	92509.	+7116.0	597	9.5	115319.	+7151.8	687	9.4	142556.	+7154.3	777	9.5	161650.	+7122.8
508	9.5	92858.	+7118.6	598	6.5	115320.	+7102.0	688	8.5	142740.	+7144.2	778	9.0	161935.	+7149.7
509	8.0	93108.	+7105.6	599	7.2	115409.	+7139.7	689	9.4	142926.	+7125.0	779	9.0	162007.	+7147.2
510	9.2	93142.	+7145.3	600	9.5	115459.	+7114.3	690	9.4	142932.	+7126.0	780	9.5	162027.	+7115.4
511	9.5	93333.	+7135.1	601	8.6	115649.	+7157.1	691	9.3	143733.	+7139.9	781	9.1	162040.	+7128.2
512	9.5	93341.	+7128.2	602	9.5	115851.	+7110.9	692	9.2	143855.	+7144.2	782	9.5	162048.	+7158.1
513	9.5	93724.	+7124.6	603	9.4	115354.	+7111.1	693	9.0	143918.	+7124.5	783	9.5	162050.	+7129.7
514	8.7	93847.	+7105.1	604	9.5	115900.	+7105.7	694	9.5	144009.	+7126.0	784	9.4	162228.	+7110.6
515	9.2	93949.	+7100.7	605	9.5	120210.	+7121.8	695	9.2	144054.	+7156.0	785	9.1	162314.	+7156.0
516	9.5	94014.	+7151.2	606	9.1	120526.	+7111.9	696	9.2	144246.	+7100.4	786	7.5	162412.	+7108.0
517	9.5	94155.	+7122.0	607	8.5	120612.	+7113.5	697	9.3	144333.	+7142.7	787	9.4	162511.	+7122.3
518	8.0	94246.	+7145.6	608	9.1	120740.	+7128.5	698	9.2	144426.	+7131.4	788	9.5	162522.	+7110.0
519	9.5	94653.	+7109.6	609	9.4	120755.	+7126.1	699	9.3	144927.	+7157.0	789	7.1	162656.	+7142.4
520	8.8	94715.	+7128.2	610	6.0	120811.	+7101.5	700	9.5	145000.	+7132.3	790	9.3	162710.	+7130.0
521	9.0	94724.	+7146.8	611	9.5	120832.	+7114.3	701	9.4						

803	9.3	163802.	+7125.2	893	9.5	182802.	+7125.1	983	9.4	195813.	+7145.2	1073	9.4	212930.	+7118.4
804	8.7	163944.	+7154.4	894	7.5	182810.	+7136.6	984	9.0	195844.	+7127.8	1074	8.7	213005.	+7126.0
805	9.5	164143.	+7123.5	895	9.3	182820.	+7114.3	985	9.0	195846.	+7157.5	1075	7.6	213014.	+7124.1
806	9.1	164339.	+7105.4	896	9.2	182923.	+7147.9	986	8.7	195857.	+7131.5	1076	9.5	213058.	+7142.3
807	9.4	164432.	+7138.1	897	9.5	182929.	+7144.5	987	9.3	195907.	+7147.8	1077	9.5	213238.	+7157.1
808	9.5	164443.	+7134.1	898	9.0	183340.	+7113.4	988	9.5	195933.	+7150.2	1078	9.5	213518.	+7126.7
809	9.4	164614.	+7122.2	899	8.8	183457.	+7112.8	989	9.5	195953.	+7150.6	1079	9.5	213533.	+7115.2
810	8.0	165138.	+7109.3	900	9.5	183601.	+7115.8	990	9.5	200004.	+7137.9	1080	9.5	213836.	+7137.3
811	9.5	165302.	+7144.6	901	8.5	183749.	+7117.8	991	7.5	200121.	+7129.0	1081	9.5	213840.	+7115.9
812	8.1	165319.	+7131.0	902	9.5	184052.	+7111.9	992	9.3	200251.	+7141.5	1082	5.5	214118.	+7137.9
813	9.2	165410.	+7117.2	903	9.5	184209.	+7107.5	993	9.5	200406.	+7157.5	1083	9.1	214119.	+7156.5
814	9.2	165754.	+7146.1	904	9.5	184221.	+7157.6	994	9.5	200432.	+7112.1	1084	9.4	214150.	+7149.1
815	9.2	165828.	+7107.1	905	8.7	184355.	+7117.4	995	9.5	200513.	+7120.5	1085	8.6	214211.	+7123.3
816	8.9	165829.	+7128.4	906	8.3	184425.	+7129.7	996	8.8	200536.	+7157.5	1086	9.4	214248.	+7104.9
817	7.8	165915.	+7140.3	907	8.8	184440.	+7119.0	997	9.5	200605.	+7114.6	1087	7.5	214334.	+7129.2
818	8.9	170027.	+7118.9	908	9.0	184607.	+7105.4	998	9.2	200654.	+7139.3	1088	9.5	214357.	+7127.6
819	9.5	170303.	+7145.3	909	9.5	184615.	+7128.0	999	9.5	200720.	+7131.1	1089	9.4	214409.	+7140.3
820	9.0	170322.	+7102.3	910	9.5	184920.	+7108.4	1000	9.5	200725.	+7126.1	1090	9.2	214506.	+7158.4
821	8.1	170428.	+7103.7	911	9.5	185053.	+7132.5	1001	8.8	200817.	+7119.6	1091	9.4	214539.	+7114.8
822	7.5	170442.	+7115.6	912	9.0	185228.	+7146.8	1002	9.0	200821.	+7100.9	1091a	9.5	214659.	+7104.6
823	8.2	170455.	+7101.7	913	9.1	185336.	+7108.9	1003	8.3	200844.	+7106.2	1092	8.5	214759.	+7104.2
824	8.8	170627.	+7157.9	914	7.5	185507.	+7135.0	1004	9.2	201034.	+7123.5	1093	8.9	214811.	+7118.0
825	9.5	170727.	+7138.8	915	5.3	185611.	+7106.3	1005	8.2	201105.	+7116.6	1094	9.4	214838.	+7121.2
826	9.5	170730.	+7134.3	916	9.5	185642.	+7117.7	1006	9.5	201109.	+7106.8	1095	8.2	214917.	+7111.8
827	9.0	170753.	+7113.1	917	9.5	185905.	+7131.4	1007	8.1	201214.	+7133.7	1096	7.0	215012.	+7147.6
828	9.2	171015.	+7110.7	918	9.3	185923.	+7157.5	1008	9.4	201401.	+7125.5	1097	6.7	215054.	+7118.2
829	9.4	171018.	+7129.0	919	9.0	185931.	+7149.0	1009	9.2	201406.	+7110.7	1098	9.4	215218.	+7106.9
830	9.5	171413.	+7101.9	920	9.4	190036.	+7131.5	1010	9.5	201529.	+7132.4	1099	9.1	215304.	+7126.1
831	8.5	171426.	+7115.7	921	9.4	190158.	+7108.2	1011	9.0	201600.	+7142.3	1100	9.5	215520.	+7113.8
832	9.4	171428.	+7139.2	922	9.4	190200.	+7127.5	1012	9.5	201629.	+7150.6	1101	9.5	215554.	+7100.0
833	9.5	171750.	+7126.5	923	8.3	190200.	+7118.0	1013	9.5	201811.	+7151.6	1102	9.1	215647.	+7143.6
834	9.5	171755.	+7139.4	924	9.3	190413.	+7156.1	1014	8.4	201814.	+7119.5	1103	9.5	215910.	+7106.4
835	6.8	171829.	+7156.5	925	9.3	190520.	+7158.5	1015	8.5	202136.	+7130.4	1104	8.5	215953.	+7121.3
836	8.5	171847.	+7144.9	926	9.3	190704.	+7120.4	1016	9.4	202519.	+7104.8	1105	8.5	220021.	+7158.9
837	9.4	171942.	+7141.2	927	9.3	190720.	+7146.2	1017	9.5	202601.	+7103.3	1106	9.1	220056.	+7106.9
838	9.5	172032.	+7127.5	928	9.0	190726.	+7149.2	1018	8.5	202732.	+7153.1	1107	7.5	220401.	+7129.8
839	9.5	172238.	+7107.3	929	9.1	190842.	+7148.3	1019	8.9	203223.	+7102.9	1108	8.7	220427.	+7128.8
840	9.1	172522.	+7146.2	930	9.3	190847.	+7115.5	1020	9.4	203226.	+7122.8	1109	7.2	220429.	+7139.7
841	6.8	172536.	+7159.8	931	9.4	190851.	+7128.3	1021	8.8	203512.	+7142.1	1110	9.4	220624.	+7116.3
842	9.4	172632.	+7116.7	932	7.2	190910.	+7150.6	1022	9.5	203620.	+7121.8	1111	5.2	220701.	+7137.7
843	9.4	172727.	+7142.2	933	8.8	190950.	+7103.3	1023	9.5	203719.	+7113.1	1112	6.7	220726.	+7124.3
844	8.8	172955.	+7118.6	934	8.5	191010.	+7115.3	1024	9.5	203819.	+7120.5	1113	9.1	220948.	+7123.7
845	8.2	173146.	+7123.5	935	8.8	191120.	+7120.3	1025	8.3	203957.	+7141.6	1114	9.0	221036.	+7119.5
846	7.5	173331.	+7120.2	936	7.5	191156.	+7159.9	1026	9.5	204028.	+7115.6	1115	8.8	221047.	+7123.1
847	8.2	173429.	+7140.2	937	9.4	191211.	+7125.8	1027	8.7	204103.	+7119.2	1116	8.0	221059.	+7145.0
848	9.4	173515.	+7116.1	938	8.3	191224.	+7152.0	1028	9.2	204140.	+7154.9	1117	9.2	221137.	+7141.2
849	9.5	173522.	+7158.9	939	9.1	191405.	+7138.9	1029	8.4	204533.	+7113.8	1118	8.5	221214.	+7154.4
850	8.3	173836.	+7157.5	940	9.2	191419.	+7117.0	1030	9.3	204607.	+7103.5	1119	9.5	221229.	+7113.5
851	9.0	174043.	+7123.5	941	9.3	191454.	+7104.8	1031	9.4	204656.	+7150.6	1120	9.2	221415.	+7113.6
852	9.0	174131.	+7100.8	942	8.3	191625.	+7101.8	1032	9.5	204818.	+7133.8	1121	9.4	221431.	+7115.1
853	8.9	174336.	+7134.3	943	9.0	191628.	+7116.0	1033	8.1	204908.	+7113.8	1122	9.0	221442.	+7100.5
854	9.2	174409.	+7143.2	944	9.0	191831.	+7106.7	1034	9.5	205315.	+7113.8	1123	8.9	221533.	+7105.6
855	9.2	174618.	+7114.7	945	6.8	191853.	+7104.2	1035	9.5	205425.	+7109.3	1124	9.5	221753.	+7104.6
856	9.2	174849.	+7154.1	946	8.9	191948.	+7127.2	1036	9.5	205630.	+7105.5	1125	9.5	221806.	+7152.5
857	9.4	174915.	+7158.6	947	9.5	192020.	+7127.5	1037	7.5	205818.	+7146.2	1126	9.4	221844.	+7130.1
858	9.5	175021.	+7109.8	948	9.4	192026.	+7105.8	1038	9.4	205846.	+7150.1	1127	9.0	221916.	+7126.7
859	9.4	175054.	+7103.3	949	7.5	192241.	+7150.5	1039	9.5	205852.	+7105.5	1128	9.5	221927.	+7119.7
860	9.4	175617.	+7150.9	950	9.0	192411.	+7133.3	1040	9.4	210029.	+7150.6	1129	9.3	222101.	+7138.4
861	9.4	175945.	+7156.5	951	8.2	192443.	+7136.9	1041	9.5	210250.	+7147.3	1130	8.5	222134.	+7118.5
862	9.5	180005.	+7109.0	952	9.5	192548.	+7122.5	1042	9.5	210251.	+7156.0	1131	9.4	222219.	+7149.5
863	9.5	180156.	+7106.6	953	8.3	192552.	+7142.2	1043	9.5	210251.	+7131.1	1132	9.5	222243.	+7102.7
864	8.0	180158.	+7137.4	954	9.1	192625.	+7137.3	1044	9.1	210413.	+7103.0	1133	9.2	222245.	+7146.0
865	9.0	180319.	+7111.8	955	8.5	193133.	+7137.8	1045	9.4	210600.	+7113.6	1134	9.4	222317.	+7139.2
866	9.5	180435.	+7150.0	956	7.5	193147.	+7157.4	1046	7.8	210644.	+7105.3	1135	9.2	222325.	+7133.5
867	9.0	180602.	+7123.9	957	9.3	193203.	+7110.7	1047	9.5	210711.	+7153.1	1136	9.3	222403.	+7138.7
868	8.8	180606.	+7108.4	958	8.3	193234.	+7121.6	1048	9.5	210716.	+7153.5	1137	9.0	222409.	+7140.7
869	9.4	180646.	+7120.0	959	9.4	193246.	+7154.0	1049	9.5	210731.	+7137.4	1138	9.5	222432.	+7101.1
870	9.4	180730.	+7155.4	960	8.3	193335.	+7101.2	1050	9.4	210802.	+7143.8	1139	8.2	222440.	+7130.4
871	9.5	180832.	+7138.3	961	9.4	193425.	+7105.8	1051	9.3	210826.	+7147.2	1140	9.4	222451.	+7122.5
872	8.0	180945.	+7125.3	962	9.2	193437.	+7147.5	1052	9.0	210958.	+7131.3	1141	9.5	222607.	+7106.6
873	9.0	180922.	+7129.1	963	9.5	193518.	+7135.3	1053	9.3	211013.	+7102.3	1142	9.5	222749.	+7129.9
874	9.5	180959.	+7127.6	964	6.7	193551.	+7117.3	1054	8.0	211136.	+7152.1	1143	9.2	222916.	+7158.7
875	8.8	181012.	+7101.6	965	9.4	193612.	+7121.8	1055	8.7	211248.	+7124.7	1144	9.4	222926.	+7152.0
876	9.5	181101.	+7133.1	966	9.5	193728.	+7159.4	1056	9.1	211335.	+7151.6	1145	9.3	223035.	+7142.7
877	9.4	181201.	+7128.6	967	9.5	193850.	+7132.4	1057	9.5	211414.	+7109.5	1146	9.4	223068.	+7131.7
878	9.5	181227.	+7123.9	968	8.8	193911.	+7111.7	1058	8.5	211648.	+7133.2	1147	9.5	223133.	+7127.9
879	9.5	181334.	+7149.3	969	8.9	194055.	+7158.0	1059	9.2	211656.	+7117.6	1148	9.5	223151.	+7127.3
880	9.5	181345.	+715												

+71 1162 22h39m

+70 267 3h40m

1162 9.3 223947. +7107.5	1 8.4 00032. +7020.7	89 8.0 10542. +7048.4	179 9.4 21912. +7014.2
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1012	7.5	183741.	+7018.4	1102	8.1	200155.	+7003.2	1192	7.0	213821.	+7007.6	1282	9.0	224937.	+7059.2
1013	9.3	183816.	+7044.4	1103	9.5	200314.	+7039.3	1193	5.0	213948.	+7038.1	1283	8.1	225009.	+7034.7
1014	9.5	183953.	+7031.7	1104	8.3	200517.	+7058.9	1194	8.8	214208.	+7019.2	1284	8.0	225014.	+7046.5
1015	9.5	184101.	+7036.1	1105	7.7	200645.	+7013.2	1195	9.4	214329.	+7037.0	1285	9.2	225107.	+7008.2
1016	9.4	184141.	+7035.1	1106	7.7	200925.	+7019.6	1196	9.3	214438.	+7010.9	1286	9.4	225113.	+7043.5
1017	9.1	184218.	+7030.1	1107	9.2	200938.	+7014.7	1197	9.5	214711.	+7030.4	1287	9.5	225144.	+7027.8
1018	8.9	184300.	+7034.1	1108	8.2	201018.	+7024.6	1198	9.1	214718.	+7034.6	1288	9.5	225331.	+7046.0
1019	9.5	184312.	+7014.0	1109	9.5	201101.	+7018.2	1199	9.2	214751.	+7040.9	1289	9.5	225345.	+7049.8
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1021	8.8	184422.	+7049.8	1111	7.8	201337.	+7039.8	1201	9.4	214801.	+7021.5	1291	9.0	225408.	+7014.7
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1024	8.8	184528.	+7057.4	1114	8.3	201800.	+7041.7	1204	7.5	215001.	+7050.0	1294	8.8	225439.	+7039.1
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786	8.7	132431.	+6747.8	876	5.2	151300.	+6753.8	966	9.5	164353.	+6741.7	1056	9.5	181107.	+6703.5
787	9.5	133048.	+6701.2	877	9.4	151344.	+6729.4	967	9.1	164433.	+6702.2	1057	9.5	181128.	+6705.5
788	9.0	133153.	+6746.4	878	9.5	151350.	+6745.0	968	7.8	164506.	+6708.4	1058	9.5	181130.	+6736.4
789	9.5	133201.	+6759.9	879	9.5	151417.	+6707.0	969	6.8	164701.	+6730.7	1059	9.2	181347.	+6758.3
790	6.3	133242.	+6746.8	880	9.4	151428.	+6716.9	970	8.5	164710.	+6711.3	1060	9.3	181531.	+6750.4
791	9.2	133340.	+6737.5	881	9.1	151532.	+6751.2	971	7.8	164933.	+6750.7	1061	9.5	181558.	+6747.9
792	7.0	133344.	+6720.7	882	9.5	151805.	+6750.4	972	8.8	164956.	+6729.7	1062	9.2	181611.	+6749.9
793	9.0	133420.	+6756.4	883	8.0	151822.	+6731.7	973	9.0	165144.	+6729.2	1063	9.3	181650.	+6735.3
794	9.5	133634.	+6729.6	884	9.5	151914.	+6706.4	974	8.5	165145.	+6752.7	1064	9.5	181718.	+6730.1
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796	9.4	133734.	+6723.9	886	9.5	152003.	+6754.7	976	9.4	165245.	+6754.7	1066	7.0	181959.	+6720.3
797	8.6	133839.	+6712.3	887	8.7	152237.	+6703.9	977	6.5	165552.	+6742.4	1067	9.1	182117.	+6750.2
798	9.1	133839.	+6725.8	888	9.4	152312.	+6740.0	978	8.7	165656.	+6738.0	1068	9.5	182121.	+6710.4
799	9.3	134048.	+6719.9	889	9.4	152319.	+6759.1	979	8.8	165809.	+6759.1	1069	9.5	182421.	+6700.3
800	9.1	134211.	+6731.5	890	9.0	152404.	+6735.6	980	9.3	165925.	+6722.3	1070	9.5	182521.	+6728.9
801	9.5	134256.	+6756.1	891	9.1	152431.	+6730.7	981	9.4	165926.	+6703.0	1071	9.0	182718.	+6716.3
802	8.4	134306.	+6704.5	892	9.2	152437.	+6720.4	982	8.7	165929.	+6712.4	1072	9.5	182736.	+6715.3
803	9.1	134555.	+6711.9	893	9.5	152538.	+6740.5	983	9.5	165929.	+6729.7	1073	9.5	182737.	+6720.8
804	8.9	134612.	+6738.4	894	9.2	152545.	+6708.6	984	8.5	170313.	+6722.7	1074	9.0	182757.	+6743.8
805	8.9	134644.	+6750.7	895	8.8	152601.	+6709.5	985	9.3	170353.	+6742.4	1075	9.4	182852.	+6737.5
806	9.4	134755.	+6739.5	896	9.5	152645.	+6758.1	986	9.5	170519.	+6728.7	1076	9.4	183100.	+6743.3
807	9.5	134927.	+6750.2	897	8.7	152754.	+6708.9	987	8.6	170546.	+6701.4	1077	9.2	183126.	+6739.3
808	9.4	134938.	+6710.9	898	9.5	152801.	+6727.3	988	9.5	170654.	+6716.0	1078	9.5	183132.	+6713.4
809	9.3	135110.	+6724.7	899	9.4	152806.	+6742.4	989	9.1	170746.	+6727.7	1079	6.5	183242.	+6739.4
810	9.5	135115.	+6707.7	900	9.0	152808.	+6741.9	990	9.5	170752.	+6740.5	1080	9.5	183415.	+6711.8
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812	8.0	135235.	+6739.4	902	9.1	153010.	+6734.1	992	8.7	171018.	+6700.4	1082	9.5	183631.	+6730.1
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816	9.4	135522.	+6724.9	906	9.5	153526.	+6742.4	996	7.3	171527.	+6732.8	1086	9.3	183800.	+6708.0
817	8.5	135610.	+6745.3	907	9.5	153551.	+6704.7	997	9.5	171712.	+6746.9	1087	8.0	183835.	+6700.6
818	8.0	135634.	+6727.4	908	9.4	153610.	+6704.4	998	9.5	171712.	+6716.4	1088	9.5	183925.	+6722.3
819	9.0	135843.	+6729.6	909	9.0	153734.	+6741.0	999	9.5	171738.	+6738.7	1089	9.1	184141.	+6759.5
820	8.0	135903.	+6747.8	910	9.5	153800.	+6717.0	1000	9.2	171739.	+6705.9	1090	9.5	184217.	+6726.7
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823	8.5	140142.	+6708.1	913	9.1	154045.	+6714.1	1003	8.0	171934.	+6726.7	1093	9.3	184347.	+6749.2
824	9.4	140322.	+6728.6	914	8.5	154139.	+6731.6	1004	9.5	171957.	+6711.1	1094	8.8	184352.	+6758.5
825	9.4	140542.	+6737.0	915	8.2	154248.	+6757.3	1005	9.5	172033.	+6713.0	1095	9.1	184507.	+6719.8
826	9.2	140741.	+6706.6	916	8.6	154331.	+6745.3	1006	9.3	172132.	+6759.6	1096	7.0	184703.	+6737.5
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830	9.5	141337.	+6731.5	920	9.5	155452.	+6722.8	1010	9.2	172427.	+6714.4	1100	9.5	185149.	+6730.6
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1523	9.4	231847.	+6715.1	12	9.0	00818.	+6600.7	102	9.4	10744.	+6657.0	192	9.0	20404.	+6647.3
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1548	9.1	233152.	+6739.9	37	9.5	02506.	+6630.4	127	9.5	12321.	+6645.8	217	9.5	21932.	+6626.2
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1550	8.8	233223.	+6755.3	39	7.5	02610.	+6642.8	129	9.4	12349.	+6644.0	219	8.1	22215.	+6646.8
1551	9.4	233308.	+6715.3	40	9.5	02701.	+6647.8	130	9.5	12351.	+6630.0	220	9.4	22245.	+6656.3
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1567	8.5	234426.	+6715.3	56	9.4	03542.	+6645.1	146	9.5	13130.	+6655.0	236	9.0	24241.	+6633.3
1568	9.5	234523.	+6751.6	57	7.6	03554.	+6645.7	147	9.1	13130.	+6640.8	237	9.5	24552.	+6651.7
1569	8.9	234526.	+6731.5	58	6.8	03558.	+6621.5	148	9.2	13131.	+6634.6	238	9.5	24558.	+6625.0
1570	8.2	234536.	+6714.3	59	9.1	03806.	+6602.3	149	6.8	13141.	+6603.4	239	9.5	24613.	+6645.4
1571	9.0	234536.	+6730.0	60	9.0	03834.	+6606.6	150	9.4	13221.	+6631.1	240	9.5	24821.	+6639.5
1572	9.1	234553.	+6758.5	61	9.5	04006.	+6631.9	151	9.0	13241.	+6616.9	241	9.5	25300.	+6617.0
1573	9.5	234605.	+6742.4	62	9.3	04017.	+6647.7	152	8.1	13336.	+6650.1	242	7.8	25400.	+6650.3
1574	9.2	234607.	+6752.2	63	9.3	04025.	+6642.7	153	9.1	13339.	+6608.2	243	9.2	25610.	+6655.1
1575	9.5	234741.	+6722.7	64	9.2	04122.	+6622.0	154	9.4	13518.	+6647.3	244	8.0	25616.	+6621.3
1576	9.5	234840.	+6705.9	65	9.5	04221.	+6603.0	155	9.5	13553.	+6612.5	245	8.8	25714.	+6631.4
1577	9.5	234846.	+6712.7	66	8.9	04231.	+6647.1	156	8.5	13719.	+6628.8	246	8.0	25907.	+6611.5
1578	9.5	234906.	+6709.4	67	9.4	04416.	+6607.7	157	9.4	13727.	+6630.1	247	8.3	25945.	+6650.9
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+66 979 16h51m

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980	9.5	165137.	+6608.2	1070	9.4	180128.	+6620.8	1159	9.4	190624.	+6605.5	1249	9.5	194920.	+6640.2
981	9.4	165233.	+6626.9	1071	9.5	180205.	+6612.0	1160	8.8	190625.	+6600.7	1250	8.0	194926.	+6656.3
982	8.7	165312.	+6651.5	1072	9.5	180232.	+6654.3	1161	8.6	190638.	+6604.6	1251	9.5	195101.	+6626.0
983	9.5	165522.	+6630.7	1073	9.3	180308.	+6627.8	1162	8.7	190721.	+6618.7	1252	8.8	195120.	+6661.6
984	9.2	165709.	+6626.4	1074	9.0	180310.	+6619.4	1163	9.3	190735.	+6643.6	1253	7.0	195147.	+6619.4
985	9.5	165731.	+6635.9	1075	8.9	180348.	+6640.3	1164	9.3	190748.	+6647.6	1254	8.4	195150.	+6641.2
986	9.4	165957.	+6648.5	1076	9.5	180410.	+6653.7	1165	9.3	190750.	+6642.6	1255	8.5	195337.	+6616.4
987	9.5	170027.	+6616.1	1077	6.5	180520.	+6655.6	1166	9.1	190816.	+6602.7	1256	6.8	195410.	+6621.4
988	9.5	170108.	+6629.7	1078	9.5	180533.	+6653.4	1167	9.2	190841.	+6638.8	1257	9.5	195504.	+6616.3
989	8.3	170158.	+6643.5	1078a30.0	180645.	+6607.9		1168	9.5	190901.	+6615.7	1258	9.4	195533.	+6618.0
990	8.5	170201.	+6630.7	1079	9.5	180648.	+6608.3	1169	8.0	190905.	+6653.0	1259	9.5	195545.	+6620.7
991	9.2	170305.	+6621.8	1080	9.3	180701.	+6620.8	1170	9.5	190914.	+6637.3	1260	9.5	195628.	+6646.6
992	9.0	170447.	+6648.0	1081	9.2	180716.	+6642.0	1171	9.5	191022.	+6631.3	1261	9.5	195653.	+6620.6
993	9.5	170504.	+6629.4	1082	9.0	180720.	+6641.3	1172	8.2	191103.	+6646.0	1262	8.3	195727.	+6623.9
994	9.1	170520.	+6601.8	1083	9.4	180755.	+6603.2	1173	9.5	191127.	+6635.1	1263	9.5	195756.	+6642.6
995	9.4	170635.	+6608.7	1084	9.5	180918.	+6611.0	1174	9.4	191158.	+6644.9	1264	9.3	195821.	+6638.7
996	9.2	170653.	+6628.2	1085	9.4	181022.	+6640.7	1175	9.5	191236.	+6620.8	1265	9.3	200022.	+6607.2
997	8.7	170848.	+6648.2	1086	9.4	181103.	+6605.7	1176	9.5	191253.	+6632.4	1266	8.8	200120.	+6640.7
998	9.4	170928.	+6652.3	1087	7.1	181142.	+6605.7	1177	9.5	191333.	+6602.2	1267	8.8	200157.	+6638.4
999	8.2	171047.	+6625.9	1088	9.0	181237.	+6604.3	1178	9.4	191342.	+6638.0	1268	9.5	200209.	+6656.5
1000	9.4	171101.	+6620.4	1089	7.8	181347.	+6625.5	1179	7.5	191351.	+6651.8	1269	8.5	200422.	+6602.5
1001	9.5	171158.	+6605.8	1090	9.5	181501.	+6605.7	1180	9.5	191407.	+6602.1	1270	9.3	200530.	+6643.7
1002	8.5	171241.	+6633.2	1091	9.5	181602.	+6628.2	1181	8.5	191517.	+6600.1	1271	9.5	200602.	+6617.2
1003	9.5	171322.	+6604.8	1092	9.5	181608.	+6623.7	1182	8.7	191529.	+6606.6	1272	9.5	200621.	+6648.1
1004	9.4	171331.	+6615.1	1093	9.5	181609.	+6626.1	1183	9.5	191550.	+6624.6	1273	8.8	200656.	+6625.4
1005	8.3	171456.	+6614.1	1094	8.6	181611.	+6659.4	1184	8.2	191610.	+6652.7	1274	9.1	200719.	+6651.3
1006	8.4	171503.	+6648.9	1095	5.5	181635.	+6600.2	1185	8.5	191651.	+6613.4	1275	9.4	200735.	+6639.1
1007	8.5	171545.	+6647.1	1096	9.0	181832.	+6618.0	1186	9.5	191651.	+6610.5	1276	7.8	201120.	+6601.5
1008	9.5	171551.	+6646.1	1097	9.1	181833.	+6607.6	1187	9.5	191727.	+6655.9	1277	9.5	201214.	+6602.0
1009	9.4	171618.	+6620.0	1098	9.3	181901.	+6659.5	1188	9.5	191732.	+6616.4	1278	8.7	201301.	+6637.8
1010	9.5	171635.	+6611.9	1099	9.2	181918.	+6644.4	1189	9.4	191733.	+6639.5	1279	9.5	201315.	+6638.4
1011	9.3	171808.	+6601.5	1100	8.5	181950.	+6642.9	1190	9.5	191745.	+6652.0	1280	9.5	201535.	+6602.0
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1013	7.0	172055.	+6641.7	1102	9.1	182430.	+6618.6	1192	9.5	191918.	+6642.9	1282	9.5	201637.	+6632.0
1014	9.2	172056.	+6635.2	1103	9.3	182444.	+6610.5	1193	8.0	191919.	+6641.9	1283	9.4	201709.	+6647.6
1015	9.3	172341.	+6655.5	1104	9.5	182511.	+6649.8	1194	9.5	192018.	+6659.0	1284	9.5	201742.	+6603.5
1016	9.5	172359.	+6627.7	1105	9.2	182638.	+6625.7	1195	9.1	192047.	+6639.2	1285	9.0	201901.	+6658.2
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1021	9.2	172531.	+6603.5	1110	9.5	183114.	+6656.3	1200	9.3	192413.	+6641.7	1290	8.7	202121.	+6632.1
1022	9.2	172738.	+6622.1	1111	8.9	183134.	+6630.1	1201	9.5	192442.	+6618.6	1291	9.4	202231.	+6637.4
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1043	9.2	174311.	+6606.0	1132	8.8	184751.	+6623.4	1222	9.2	193523.	+6602.5	1312	9.1	203653.	+6646.8
1044	9.5	174336.	+6601.0	1133	9.3	184914.	+6624.4	1223	9.1	193700.	+6638.1	1313	8.1	203811.	+6650.3
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1046	9.2	174421.	+6638.7	1135	9.0	185005.	+6608.2	1225	7.9	193854.	+6607.8	1315	8.6	204011.	+6624.4
1047	8.6	174455.	+6630.6	1136	9.4	185021.	+6646.2	1226	8.4	193945.	+6622.3	1316	8.3	204016.	+6623.4
1048	9.5	174552.	+6651.3	1137	9.5	185057.	+6613.5	1227	8.7	193956.	+6636.1	1317	9.5	204016.	+6629.8
1049	8.9	174631.	+6633.7	1138	8.5	185116.	+6644.0	1228	8.8	194110.	+6615.5	1318	5.5	204121.	+6607.9
1050	9.0	174632.	+6613.2	1139	9.4	185212.	+6639.2	1229	9.5	194115.	+6608.2	1319	8.9	204157.	+6603.1
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1052	9.5	175110.	+6659.4	1141	9.5	185239.	+6650.8	1231	9.4	194144.	+6605.0	1321	8.6	204313.	+6629.5
1053	9.5	175115.	+6649.5	1142	7.5	185401.	+6657.0	1232	9.5	194241.	+6649.1	1322	9.3	204422.	+6611.5
1054	9.5	175120.	+6653.1	1143	9.5	185410.	+6604.8	1233	8.0	194252.	+6612.0	1323	9.4	204422.	+6609.9
1055	9.2	175239.	+6614.5	1144	9.5	185602.	+6658.4	1234	9.5	194309.	+6627.3	1324	9.5	204430.	+6611.4
1056	9.5	175240.	+6644												

+66 1339 20H53m

+65 15 0h04m

1339	8.9	205323.	+6656.1	1429	9.0	213843.	+6607.3	1519	9.5	222702.	+6642.0	1609	9.5	232214.	+6619.4
1340	8.7	205405.	+6625.5	1430	9.5	213907.	+6655.4	1520	9.0	222731.	+6638.1	1610	8.3	232245.	+6614.5
1341	9.4	205435.	+6604.6	1431	9.4	213908.	+6618.3	1521	8.3	222749.	+6624.8	1611	9.3	232255.	+6605.2
1342	9.2	205438.	+6631.7	1432	9.5	214005.	+6640.1	1522	7.4	222751.	+6651.4	1612	9.5	232519.	+6619.9
1343	7.7	205513.	+6611.1	1433	9.0	214056.	+6650.9	1523	8.4	222831.	+6625.8	1613	9.4	232527.	+6605.7
1344	8.7	205521.	+6617.9	1434	9.5	214302.	+6609.7	1524	9.4	222903.	+6607.1	1614	9.2	232610.	+6608.6
1345	9.5	205716.	+6601.8	1435	9.1	214314.	+6636.3	1525	9.1	222925.	+6612.0	1615	8.0	232729.	+6650.2
1346	9.3	205733.	+6609.4	1436	9.4	214329.	+6625.5	1526	9.1	222959.	+6613.5	1616	9.3	232744.	+6657.1
1347	9.5	205737.	+6620.8	1437	9.2	214341.	+6629.1	1527	8.9	223030.	+6658.4	1617	9.1	232756.	+6607.6
1348	9.3	205841.	+6632.7	1438	8.7	214510.	+6636.8	1528	9.0	223038.	+6624.3	1618	9.2	232812.	+6657.4
1349	9.4	205907.	+6612.6	1439	9.5	214530.	+6650.5	1529	8.9	223047.	+6617.9	1619	6.8	232839.	+6641.0
1350	7.6	205920.	+6608.5	1440	9.5	214546.	+6604.5	1530	9.5	223144.	+6644.5	1620	9.5	232906.	+6633.2
1351	9.5	210007.	+6645.0	1441	6.4	214552.	+6607.2	1531	9.4	223357.	+6631.3	1621	7.9	232914.	+6613.0
1352	9.4	210102.	+6626.5	1442	9.0	214606.	+6608.6	1532	9.4	223436.	+6617.9	1622	7.6	232919.	+6603.5
1353	9.3	210112.	+6646.2	1443	9.5	214711.	+6608.5	1533	9.4	223514.	+6605.0	1623	9.5	233001.	+6612.8
1354	9.1	210130.	+6640.0	1444	9.5	214719.	+6618.5	1534	9.4	223515.	+6635.2	1624	9.5	233006.	+6615.0
1355	9.5	210143.	+6633.9	1445	9.4	214720.	+6610.5	1535	8.3	223527.	+6623.3	1625	8.7	233041.	+6650.2
1356	9.1	210206.	+6618.4	1446	8.2	214740.	+6609.5	1536	9.5	223708.	+6602.2	1626	8.3	233048.	+6605.3
1357	9.0	210345.	+6631.0	1447	9.0	214814.	+6609.2	1537	9.5	223711.	+6609.2	1627	9.4	233122.	+6607.2
1358	9.3	210429.	+6646.2	1448	9.3	214832.	+6642.0	1538	9.4	223751.	+6624.0	1628	9.5	233231.	+6647.0
1359	9.1	210503.	+6633.9	1449	9.0	214909.	+6656.5	1539	8.3	223842.	+6658.0	1629	9.5	233259.	+6609.6
1360	8.8	210535.	+6642.4	1450	9.0	214910.	+6641.5	1540	9.1	223920.	+6609.6	1630	7.8	233349.	+6645.0
1361	9.5	210548.	+6652.3	1451	9.0	214912.	+6633.8	1541	9.4	223946.	+6615.5	1631	8.1	233432.	+6602.6
1362	9.5	210603.	+6612.8	1452	9.5	214939.	+6651.0	1542	9.5	224124.	+6657.4	1632	9.0	233505.	+6603.1
1363	9.4	210605.	+6621.3	1453	9.3	214952.	+6657.3	1543	9.5	224155.	+6600.0	1633	9.2	233515.	+6656.3
1364	9.5	210647.	+6621.4	1454	9.2	215038.	+6602.9	1544	9.5	224202.	+6656.2	1634	9.5	233525.	+6650.3
1365	8.6	210742.	+6629.3	1455	7.5	215158.	+6600.6	1545	8.6	224241.	+6605.5	1635	9.4	233547.	+6659.9
1366	6.8	210827.	+6607.3	1456	9.4	215205.	+6650.6	1546	8.0	224253.	+6608.4	1636	9.5	233642.	+6649.8
1367	9.5	210852.	+6658.3	1457	9.5	215236.	+6650.0	1547	9.5	224301.	+6621.8	1637	8.9	233720.	+6600.4
1368	9.4	210902.	+6629.6	1458	9.4	215257.	+6654.0	1548	9.0	224305.	+6632.2	1638	9.5	233809.	+6649.6
1369	9.5	210934.	+6657.3	1459	9.5	215335.	+6605.2	1549	9.4	224315.	+6657.0	1639	9.5	233830.	+6631.7
1370	8.3	211011.	+6604.9	1460	9.2	215335.	+6621.8	1550	9.4	224319.	+6655.6	1640	9.5	233903.	+6658.1
1371	8.2	211012.	+6651.3	1461	8.7	215403.	+6654.0	1551	9.5	224504.	+6612.0	1641	9.4	234019.	+6607.9
1372	9.0	211025.	+6612.6	1462	9.0	215403.	+6655.8	1552	8.5	224522.	+6623.8	1642	9.4	234022.	+6617.4
1373	8.8	211032.	+6600.6	1463	8.8	215405.	+6626.4	1553	9.4	224524.	+6657.3	1643	9.4	234054.	+6636.4
1374	9.5	211113.	+6620.5	1464	9.5	215408.	+6648.5	1554	9.3	224716.	+6617.9	1644	9.5	234246.	+6622.7
1375	8.0	211149.	+6600.9	1465	9.0	215452.	+6640.2	1555	9.5	224814.	+6637.1	1645	9.5	234253.	+6623.8
1376	9.3	211207.	+6640.3	1466	9.5	215602.	+6624.4	1556	8.5	224827.	+6616.5	1646	9.2	234256.	+6650.0
1377	9.3	211207.	+6651.5	1467	9.5	215648.	+6637.2	1557	9.5	224829.	+6634.7	1647	7.5	234321.	+6606.1
1378	9.3	211213.	+6615.8	1468	9.5	215655.	+6634.3	1558	8.7	224909.	+6605.8	1648	8.5	234323.	+6645.8
1379	9.1	211215.	+6603.3	1469	9.5	215739.	+6658.3	1559	9.1	224911.	+6656.4	1649	9.5	234427.	+6601.8
1380	8.0	211326.	+6645.0	1470	7.9	215917.	+6633.3	1560	9.4	224938.	+6634.2	1650	9.5	234449.	+6636.2
1381	9.3	211414.	+6629.8	1471	8.3	215948.	+6624.9	1561	9.5	224943.	+6626.8	1651	9.2	234510.	+6621.5
1382	9.5	211502.	+6632.8	1472	9.3	220024.	+6651.9	1562	9.5	225037.	+6610.2	1652	9.5	234540.	+6607.6
1383	7.8	211505.	+6601.9	1473	8.1	220124.	+6604.4	1563	8.4	225053.	+6603.5	1653	9.1	234541.	+6625.6
1384	9.0	211552.	+6607.8	1474	8.3	220155.	+6650.4	1564	9.5	225112.	+6630.4	1654	8.0	234711.	+6601.0
1385	9.4	211611.	+6631.3	1475	8.5	220241.	+6615.5	1565	8.3	225133.	+6633.2	1655	9.5	234714.	+6658.6
1386	9.3	211623.	+6603.1	1476	9.5	220316.	+6655.9	1566	9.2	225211.	+6612.2	1656	9.5	234717.	+6659.8
1387	9.2	211644.	+6624.6	1477	9.4	220423.	+6641.6	1567	9.4	225229.	+6641.5	1657	9.5	234722.	+6629.3
1388	9.5	211651.	+6641.6	1478	9.4	220516.	+6652.2	1568	9.5	225235.	+6615.0	1658	8.2	234813.	+6602.7
1389	8.3	211705.	+6610.2	1479	9.5	220604.	+6602.9	1569	8.0	225307.	+6618.9	1659	9.5	234814.	+6608.5
1390	9.0	211708.	+6658.4	1480	9.3	220652.	+6626.3	1570	9.5	225358.	+6629.8	1660	9.5	234914.	+6650.2
1391	9.5	211806.	+6619.5	1481	9.5	220731.	+6620.7	1571	9.3	225426.	+6612.9	1661	8.7	235019.	+6644.9
1392	7.6	211813.	+6636.2	1482	9.5	220820.	+6609.7	1572	9.1	225444.	+6614.7	1662	8.1	235043.	+6627.2
1393	9.4	211923.	+6639.6	1483	9.1	220829.	+6640.7	1573	9.1	225457.	+6615.9	1663	9.3	235051.	+6647.7
1394	9.4	211935.	+6643.0	1484	8.5	220835.	+6612.1	1574	9.5	225756.	+6645.5	1664	8.7	235059.	+6645.6
1395	8.8	212024.	+6627.5	1485	9.5	220849.	+6642.1	1575	5.5	225804.	+6626.8	1665	9.4	235125.	+6637.7
1396	8.7	212030.	+6627.9	1486	9.5	220925.	+6640.7	1576	9.1	225832.	+6659.7	1666	9.5	235137.	+6645.8
1397	9.2	212041.	+6619.8	1487	9.3	220926.	+6635.2	1577	8.7	225933.	+6633.2	1667	7.8	235143.	+6600.4
1398	8.8	212048.	+6623.5	1488	8.8	220948.	+6628.0	1578	8.9	225937.	+6618.9	1668	8.8	235247.	+6607.6
1399	9.2	212106.	+6619.5	1489	9.0	220953.	+6628.5	1579	9.5	225943.	+6646.5	1669	9.5	235309.	+6624.4
1400	9.0	212226.	+6626.9	1490	8.2	221091.	+6612.2	1580	8.8	225944.	+6615.5	1670	7.0	235334.	+6602.5
1401	8.0	212249.	+6605.8	1491	9.4	221056.	+6648.9	1581	8.6	225955.	+6623.8	1671	8.7	235357.	+6601.5
1402	9.4	212258.	+6647.2	1492	9.3	221106.	+6622.8	1582	9.4	230004.	+6608.7	1672	9.1	235414.	+6619.1
1403	9.5	212336.	+6612.5	1493	9.5	221227.	+6615.5	1583	9.2	230100.	+6631.2	1673	9.5	235425.	+6641.6
1404	7.8	212451.	+6601.1	1494	9.5	221256.	+6649.4	1584	8.9	230111.	+6634.7	1674	9.4	235448.	+6637.3
1405	5.5	212502.	+6610.3	1495	9.5	221257.	+6656.8	1585	9.5	230228.	+6608.6	1675	9.0	235448.	+6635.8
1406	9.4	212617.	+6620.6	1496	9.5	221337.	+6606.5	1586	8.3	230327.	+6618.9	1676	7.8	235503.	+6621.1
1407	6.5	212632.	+6624.6	1497	9.5	221417.	+6646.0	1587	6.7	230415.	+6627.6	1677	9.0	235545.	+6602.9
1408	9.3	212656.	+6621.9	1498	8.8	221439.	+6609.4	1588	9.3	230417.	+6617.4	1678	9.1	235615.	+6627.6
1409	9.3	212659.	+6603.3	1499	9.3	221441.	+6646.5	1589	9.3	230532.	+6619.9	1679	6.0	235713.	+6621.2
1410	9.5	212837.	+6650.4	1500	9.5	221610.	+6623.8	1590	8.6	230533.	+6615.0	1680	9.5	235713.	+6658.8
1411	9.5	212906.	+6608.3	1501	7.5	221644.	+6614.0	1591	9.3	230555.	+6627.3	1681	9.5	235911.	+6621.3
1412	8.4	213031.	+6634.9	1502	9.5	221828.	+6607.4	1592	8.5	230612.	+6648.9	1682	8.4	235935.	+6628.0
1413	9.5	213033.	+6649.5	1503	8.3	221843.	+6625.3	1593	9.5	230625.	+6641.0	1683	9.0	235954.	+6644.3
1414	9.0	213110.	+6641.1	1504	9.5	221920.	+6651.3	1594	9.5	230637.	+6629.3	1	9.5	00024.	+6549.0
1415	6.7	213127.	+6604.7	1505	9.4	221932.	+6624.8	1595	8.5	230657.					

+65 16 0h04m

+65 374 5h39m

16	8.9	00435.	+6541.2	105	9.0	04502.	+6556.4	195	9.4	13216.	+6525.0	285	9.5	22957.	+6539.1
17	9.0	00447.	+6509.6	106	7.0	04507.	+6538.9	196	9.5	13220.	+6509.6	286	9.1	23005.	+6515.1
18	9.2	00501.	+6552.8	107	9.4	04530.	+6509.7	197	9.5	13239.	+6559.5	287	9.5	23203.	+6533.3
19	9.0	00600.	+6509.6	108	9.0	04626.	+6515.2	198	9.2	13315.	+6510.7	288	9.5	23208.	+6538.2
20	9.5	00625.	+6519.7	109	9.5	04712.	+6503.5	199	9.5	13316.	+6519.6	289	8.4	23358.	+6506.9
21	8.0	00629.	+6531.8	110	8.0	04712.	+6537.9	200	9.5	13423.	+6503.9	290	8.9	23506.	+6513.8
22	9.5	00630.	+6534.1	111	8.8	04719.	+6514.5	201	9.5	13444.	+6550.0	291	8.7	23509.	+6506.6
23	7.3	00634.	+6523.8	112	8.8	04730.	+6525.1	202	8.8	13605.	+6510.4	292	9.4	23559.	+6559.4
24	8.6	00711.	+6549.1	113	9.5	04838.	+6526.0	203	9.5	13658.	+6533.2	293	9.4	23618.	+6522.9
25	8.7	00714.	+6518.2	114	9.0	04916.	+6516.2	204	9.5	13823.	+6539.6	294	9.3	23655.	+6505.6
26	9.5	00824.	+6509.8	115	6.0	04923.	+6533.0	205	9.0	13840.	+6509.6	295	9.2	23655.	+6519.6
27	8.3	00834.	+6509.0	116	9.0	05038.	+6529.5	206	8.4	13854.	+6517.0	296	9.4	23801.	+6541.7
28	8.8	00841.	+6501.1	117	9.4	05126.	+6519.6	207	8.8	13857.	+6532.7	297	9.4	23808.	+6506.7
29	9.5	01026.	+6531.7	118	9.4	05132.	+6548.6	208	9.5	14042.	+6503.7	298	9.2	23812.	+6528.2
30	9.5	01028.	+6534.4	119	9.3	05201.	+6502.7	209	8.8	14121.	+6543.3	299	9.5	23917.	+6525.0
31	8.9	01029.	+6540.1	120	8.2	05210.	+6505.4	210	8.5	14326.	+6528.5	300	7.0	24003.	+6501.4
32	9.2	01116.	+6520.0	121	9.5	05211.	+6508.4	211	9.4	14330.	+6529.3	301	9.4	24010.	+6541.3
33	9.5	01153.	+6520.5	122	8.8	05214.	+6539.3	212	9.2	14344.	+6550.9	302	9.5	24137.	+6519.6
34	9.4	01250.	+6506.8	123	8.4	05231.	+6526.6	213	9.5	14448.	+6543.0	303	9.5	24150.	+6509.6
35	9.1	01258.	+6511.5	124	9.4	05253.	+6518.7	214	9.5	14602.	+6503.9	304	8.9	24156.	+6535.8
36	9.5	01322.	+6557.7	125	9.2	05352.	+6542.0	215	9.5	14613.	+6541.1	305	8.5	24304.	+6546.5
37	9.0	01339.	+6500.8	126	9.5	05406.	+6518.2	216	8.6	14703.	+6544.5	306	7.0	24348.	+6512.6
38	8.3	01340.	+6520.0	127	9.4	05448.	+6542.5	217	8.8	14806.	+6547.0	307	9.1	24434.	+6517.0
39	8.3	01341.	+6539.2	128	8.9	05636.	+6506.6	218	9.4	15014.	+6549.8	308	8.6	24638.	+6533.2
40	8.7	01350.	+6539.8	129	6.9	05636.	+6511.0	219	9.5	15046.	+6501.0	309	9.5	24709.	+6539.3
41	7.7	01408.	+6539.2	130	8.5	05705.	+6539.8	220	9.5	15135.	+6539.3	310	9.4	24711.	+6513.4
42	9.4	01422.	+6504.2	131	9.5	05922.	+6527.5	221	9.5	15214.	+6546.5	311	9.0	24801.	+6556.8
43	8.3	01426.	+6522.8	132	9.0	10018.	+6529.5	222	9.4	15322.	+6547.0	312	9.5	24814.	+6512.5
44	9.5	01458.	+6552.7	133	9.5	10039.	+6500.0	223	9.5	15512.	+6536.6	313	9.0	24843.	+6559.3
45	9.5	01500.	+6535.2	134	9.0	10055.	+6521.5	224	9.2	15540.	+6527.8	314	9.2	24923.	+6536.3
46	9.5	01502.	+6519.7	135	9.0	10059.	+6500.0	225	9.0	15611.	+6516.5	315	9.3	25126.	+6539.0
47	9.2	01531.	+6550.7	136	8.5	10101.	+6558.0	226	9.5	15626.	+6509.2	316	9.5	25228.	+6534.7
48	7.8	01535.	+6524.5	137	9.5	10122.	+6502.5	227	9.1	15724.	+6551.7	317	9.2	25335.	+6535.7
49	9.5	01640.	+6528.0	138	9.5	10152.	+6538.0	228	9.2	15741.	+6519.5	318	9.5	25339.	+6509.6
50	8.3	01640.	+6500.2	139	9.3	10201.	+6517.1	229	9.0	15817.	+6506.0	319	9.3	25344.	+6537.2
51	9.4	01709.	+6541.4	140	8.2	10221.	+6506.0	230	9.3	15823.	+6506.2	320	9.5	25503.	+6536.1
52	9.0	01751.	+6558.5	141	9.5	10253.	+6540.8	231	9.5	15921.	+6550.5	321	9.5	25506.	+6547.0
53	8.5	01757.	+6538.5	142	9.1	10311.	+6523.6	232	9.5	15924.	+6557.8	322	8.0	25700.	+6554.3
54	8.6	01816.	+6557.5	143	9.5	10443.	+6557.1	233	9.4	15953.	+6507.6	323	9.0	25744.	+6510.8
55	9.5	01839.	+6553.6	144	9.2	10454.	+6500.6	234	8.2	20028.	+6549.5	324	9.4	25825.	+6532.7
56	9.0	01853.	+6518.1	145	8.4	10636.	+6522.5	235	9.5	20204.	+6549.0	325	8.5	25837.	+6519.2
57	8.3	01913.	+6518.6	146	9.4	10739.	+6513.3	236	9.4	20208.	+6558.5	326	8.6	25953.	+6519.6
58	9.4	01917.	+6525.6	147	9.3	10811.	+6518.1	237	9.5	20235.	+6516.1	327	9.4	30041.	+6515.7
59	9.5	02019.	+6508.4	148	9.4	10820.	+6503.0	238	9.4	20303.	+6559.6	328	9.3	30124.	+6518.4
60	9.5	02028.	+6517.8	149	9.4	10855.	+6535.5	239	6.0	20311.	+6550.0	329	9.0	30128.	+6541.1
61	9.5	02059.	+6541.2	150	9.5	10903.	+6518.7	240	8.9	20312.	+6554.9	330	8.5	30204.	+6541.5
62	9.4	02139.	+6557.6	151	8.0	10915.	+6523.2	241	8.7	20333.	+6549.4	331	9.5	30235.	+6530.8
63	9.3	02157.	+6519.1	152	9.5	10947.	+6546.8	242	6.8	20339.	+6539.1	332	9.4	30310.	+6557.3
64	9.0	02213.	+6519.2	153	9.4	11105.	+6502.7	243	9.3	20438.	+6525.4	333	9.4	30311.	+6554.7
65	9.2	02233.	+6519.5	154	9.5	11200.	+6511.9	244	9.4	20538.	+6546.6	334	9.3	30336.	+6556.8
66	9.3	02238.	+6538.1	155	8.8	11239.	+6520.7	245	9.2	20547.	+6507.3	335	7.0	30338.	+6550.4
67	6.5	02309.	+6543.2	156	9.1	11342.	+6505.2	246	9.5	20730.	+6549.7	336	9.5	30249.	+6551.0
68	8.7	02315.	+6500.2	157	9.5	11344.	+6537.0	247	8.2	20801.	+6535.5	337	9.3	30358.	+6547.3
69	9.2	02453.	+6522.5	158	9.4	11354.	+6521.1	248	8.3	20937.	+6506.8	338	6.5	30451.	+6506.5
70	6.5	02602.	+6557.2	159	9.5	11410.	+6536.5	249	9.0	20948.	+6516.1	339	9.5	30559.	+6538.6
71	8.7	02609.	+6553.0	160	9.0	11418.	+6558.4	250	9.5	20955.	+6540.6	340	4.5	30715.	+6506.0
72	9.5	02611.	+6533.0	161	9.3	11557.	+6551.2	251	9.5	21001.	+6544.9	341	9.3	30921.	+6525.8
73	9.5	02647.	+6542.2	162	9.5	11656.	+6520.0	252	9.5	21003.	+6549.3	342	9.4	31002.	+6539.6
74	9.1	02718.	+6536.5	163	8.5	11722.	+6501.0	253	9.0	21025.	+6507.3	343	9.3	31034.	+6551.9
75	9.3	02806.	+6555.5	164	7.5	11742.	+6519.2	254	9.5	21119.	+6527.1	344	9.5	31200.	+6543.0
76	8.9	02821.	+6559.4	165	9.4	11754.	+6534.4	255	9.1	21120.	+6508.1	345	7.0	31353.	+6541.2
77	9.3	02829.	+6535.7	166	9.2	11847.	+6520.9	256	9.1	21246.	+6530.9	346	8.8	31601.	+6517.3
78	9.5	02956.	+6500.4	167	9.2	11853.	+6513.3	257	9.3	21447.	+6503.7	347	8.0	31901.	+6548.5
79	9.5	03049.	+6557.5	168	9.5	11900.	+6532.4	258	9.3	21449.	+6532.9	348	7.0	32030.	+6502.5
80	9.0	03105.	+6504.8	169	9.5	11918.	+6525.8	259	8.4	21449.	+6553.5	349	9.5	32130.	+6530.7
80a	9.5	03148.	+6504.2	170	9.5	11924.	+6513.4	260	9.4	21508.	+6521.1	350	9.5	32252.	+6548.0
81	7.0	03300.	+6504.2	171	9.5	11937.	+6507.1	261	8.8	21510.	+6543.5	351	9.5	32356.	+6558.7
82	9.0	03310.	+6523.6	172	9.5	12012.	+6543.4	262	9.0	21513.	+6521.4	352	8.5	32426.	+6519.2
83	6.0	03328.	+6519.7	173	7.5	12023.	+6530.5	263	9.1	21525.	+6539.6	353	8.0	32603.	+6509.9
84	9.5	03552.	+6530.0	174	9.5	12044.	+6529.0	264	9.5	21856.	+6523.8	354	9.3	32615.	+6551.4
85	9.5	03617.	+6526.0	175	6.0	12047.	+6521.2	265	9.5	21912.	+6521.4	355	9.1	32700.	+6549.9
86	9.4	03642.	+6558.7	176	9.5	12144.	+6536.0	266	9.4	21959.	+6552.5	356	9.4	32815.	+6531.0
87	9.0	03656.	+6511.5	177	9.1	12250.	+6500.2	267	9.4	22036.	+6550.6	357	8.0	32841.	+6539.2
88	7.6	03704.	+6542.0	178	9.5	12259.	+6539.4	268	9.5	22126.	+6558.0	358	8.7	33016.	+6529.4
89	9.2	03725.	+6530.5	179	8.8	12441.	+6503.1	269	9.5	22248.	+6543.8	359	8.1	33030.	+6530.4
90	9.2	03832.	+6553.8	180	9.5	12521.	+6550.1	270	9.3	22252.	+6558.1	360	9.5	33040.	+6550.4
91	8.7	03851.	+6558.4	181	9.4	12557.	+6559.2	271	9.4	22306.	+6549.7	361	9.2	33220.	+6539.6
92	8.8	03952.	+6553.4	182	7.8	12602.	+6528.6	272	7.0	22319.	+6523.6	362	9.0	33326.	+6547.5
93	9.5	03901.	+6522.1	183	9.5	12624.	+6559.2	273	9.4	22323.	+6551.7	363	8.9	33418.	+6549.9
94	9.5	03925.	+6542.2	184	8.7	12707.	+6533.0	274	8.9	22339.	+6541.1	364	9.0	33420.	+6549.1
95	9.5	03951.	+6539.8	185	8.7	12803.	+6519.6	275	9.2	22521.	+6533.8	365	9.2	33510.	+6502.3
96	9.3	03955.	+6555.8												

+65 375 3h41m

+65 733 9h34m

375	9.5	34112.	+6531.1	464	7.3	45937.	+6552.2	554	9.5	64914.	+6546.3	644	9.4	82653.	+6552.7
376	9.5	34141.	+6519.2	465	9.5	45939.	+6516.3	555	9.3	65324.	+6540.1	645	9.1	82723.	+6504.0
377	9.4	34240.	+6538.8	466	9.4	50200.	+6501.5	556	9.5	65602.	+6524.9	646	9.5	82728.	+6552.3
378	9.0	34417.	+6541.7	467	9.5	50329.	+6539.9	557	9.5	65644.	+6500.1	647	9.4	82830.	+6513.2
379	9.2	34437.	+6519.7	468	9.0	50436.	+6549.8	558	9.4	65910.	+6528.0	648	8.0	82847.	+6513.2
380	9.4	34456.	+6517.3	469	9.3	50627.	+6520.6	559	9.4	65910.	+6539.1	649	8.3	82909.	+6548.8
381	8.0	34521.	+6508.9	470	9.2	50751.	+6543.9	560	9.5	70115.	+6510.9	650	8.3	83029.	+6543.8
382	8.7	34548.	+6524.8	471	9.5	50909.	+6540.9	561	9.5	70154.	+6521.7	651	9.2	83201.	+6537.5
383	9.3	34736.	+6549.0	472	9.5	51336.	+6507.0	562	7.0	70200.	+6501.4	652	9.4	83213.	+6543.4
384	9.5	34832.	+6558.8	473	9.5	51352.	+6530.9	563	9.5	70256.	+6528.0	653	9.0	83219.	+6500.0
385	9.5	34838.	+6543.7	474	8.6	51408.	+6533.7	564	9.5	70314.	+6507.4	654	9.5	83244.	+6541.4
386	9.4	35005.	+6535.4	475	9.5	51612.	+6527.1	565	9.0	70602.	+6501.7	655	8.6	83313.	+6509.8
387	9.5	35017.	+6528.3	476	9.0	51615.	+6547.2	566	9.1	70638.	+6542.0	656	9.2	83324.	+6518.4
388	9.5	35201.	+6500.0	477	9.5	51900.	+6509.5	567	9.1	70728.	+6521.0	657	9.2	83329.	+6554.1
389	9.3	35201.	+6558.6	478	8.8	51911.	+6553.1	568	9.4	70829.	+6515.0	658	8.5	83342.	+6558.2
390	8.8	35302.	+6532.8	479	9.5	52032.	+6527.5	569	9.2	70839.	+6531.6	659	9.0	83346.	+6528.4
391	6.6	35308.	+6506.1	480	8.8	52115.	+6530.6	570	9.1	70915.	+6540.4	660	9.5	84124.	+6514.6
392	8.5	35403.	+6526.3	481	9.3	52208.	+6539.8	571	8.9	71224.	+6520.4	661	8.6	83440.	+6523.7
393	9.5	35823.	+6555.0	482	8.0	52310.	+6501.3	572	8.0	71247.	+6512.8	662	9.2	83514.	+6546.6
394	8.2	35938.	+6532.8	483	9.5	52311.	+6548.9	573	9.2	71268.	+6549.0	663	9.5	83516.	+6520.7
395	9.0	35953.	+6555.4	484	9.5	52651.	+6550.2	574	9.4	71805.	+6548.2	664	9.3	83745.	+6524.6
396	8.3	40053.	+6551.6	485	6.0	52757.	+6557.8	575	9.3	71819.	+6549.5	665	9.5	83828.	+6517.8
397	9.3	40356.	+6541.3	486	8.8	52825.	+6502.5	576	8.5	72104.	+6558.9	666	9.5	84046.	+6520.0
398	9.3	40841.	+6535.0	487	9.5	53118.	+6547.9	577	9.2	72123.	+6554.9	667	9.5	84058.	+6527.5
399	9.2	40854.	+6507.9	488	9.0	53126.	+6552.2	578	9.4	72231.	+6554.0	668	9.3	84113.	+6500.5
400	9.2	40952.	+6539.4	489	8.9	53129.	+6532.6	579	6.8	72240.	+6523.2	669	9.5	84124.	+6553.7
401	9.2	41050.	+6525.3	490	9.5	53207.	+6545.4	580	20.0	72244.	+6554.1	670	9.0	84147.	+6547.5
402	9.1	41126.	+6502.4	491	9.5	53227.	+6532.0	581	9.0	72251.	+6532.7	671	9.1	84314.	+6531.2
403	9.2	41134.	+6541.4	492	9.3	53250.	+6502.3	582	9.3	72307.	+6553.8	672	9.0	84407.	+6504.0
404	9.4	41156.	+6527.7	493	9.5	53253.	+6509.8	583	8.4	72309.	+6537.6	673	6.0	84408.	+6504.0
405	9.5	41336.	+6508.6	494	9.4	53324.	+6502.5	584	9.5	72542.	+6558.4	674	9.5	84528.	+6558.0
406	9.3	41400.	+6556.7	495	8.7	53422.	+6506.5	585	8.2	72858.	+6520.3	675	9.4	84608.	+6511.8
407	8.9	41415.	+6552.4	496	9.2	53510.	+6550.7	586	8.2	72903.	+6537.1	676	9.4	84713.	+6542.0
408	9.3	41457.	+6533.2	497	7.0	53629.	+6541.5	587	9.1	72948.	+6545.1	677	9.0	84719.	+6533.4
409	8.1	41559.	+6549.4	498	9.3	53742.	+6517.9	588	8.7	73010.	+6547.0	678	8.9	84733.	+6523.6
410	9.5	41620.	+6509.1	499	7.6	53746.	+6506.1	589	9.2	73036.	+6529.2	679	8.5	84930.	+6501.0
411	8.7	41640.	+6533.4	500	9.0	53755.	+6511.8	590	9.2	73106.	+6523.9	680	9.4	85027.	+6515.3
412	9.2	41827.	+6501.6	501	9.5	53955.	+6541.9	591	8.0	73201.	+6502.5	681	9.4	85029.	+6524.4
413	8.3	41900.	+6557.8	502	9.5	54159.	+6527.9	592	7.3	73204.	+6529.5	682	9.4	85054.	+6507.0
414	9.5	41921.	+6542.0	503	9.5	54348.	+6555.2	593	6.2	73246.	+6547.8	683	9.4	85105.	+6547.7
415	9.2	41950.	+6500.2	504	9.5	54447.	+6535.8	594	9.5	73510.	+6551.2	684	8.9	85225.	+6529.5
416	9.5	42204.	+6531.8	505	9.5	54455.	+6514.6	595	9.5	73514.	+6539.2	685	9.4	85241.	+6529.2
417	9.5	42412.	+6553.3	506	9.5	54626.	+6540.1	596	9.5	73627.	+6520.5	686	9.0	85300.	+6557.0
418	9.4	42412.	+6555.8	507	7.0	54646.	+6530.2	597	9.5	73749.	+6501.6	687	9.3	85349.	+6521.1
419	9.2	42433.	+6527.9	508	9.5	54718.	+6512.6	598	9.5	73853.	+6521.8	688	8.7	85520.	+6533.1
420	9.4	42435.	+6506.0	509	7.3	54744.	+6502.4	599	7.5	73917.	+6515.5	689	9.1	85556.	+6521.1
421	9.0	42509.	+6538.1	510	8.4	54813.	+6509.0	600	9.5	74105.	+6554.2	690	9.5	85558.	+6538.0
422	9.5	42510.	+6504.3	511	7.5	54834.	+6524.0	601	9.4	74210.	+6531.4	691	9.0	85559.	+6508.4
423	9.5	42559.	+6550.9	512	9.5	54837.	+6501.8	602	9.5	74229.	+6511.1	692	9.4	85629.	+6557.3
424	9.4	42638.	+6503.6	513	9.5	55449.	+6511.1	603	9.2	74339.	+6559.4	693	9.5	85636.	+6515.2
425	9.5	43158.	+6516.1	514	9.5	55541.	+6512.1	604	9.5	74453.	+6525.9	694	9.2	85651.	+6549.1
426	9.5	43329.	+6506.7	515	9.0	55745.	+6506.2	605	9.5	74642.	+6535.8	695	9.4	85719.	+6557.6
427	8.8	43331.	+6529.5	516	9.2	55809.	+6548.4	606	7.1	74654.	+6509.2	696	9.1	85917.	+6527.9
428	9.4	43342.	+6512.7	517	5.7	55817.	+6542.9	607	7.0	74936.	+6531.8	697	9.4	85927.	+6530.3
429	9.5	43406.	+6504.6	518	9.5	60224.	+6512.5	608	9.5	75003.	+6523.5	698	8.7	86050.	+6528.7
430	9.3	43455.	+6525.7	519	8.2	60237.	+6544.4	609	9.5	75009.	+6512.0	699	9.1	90036.	+6515.0
431	8.5	43520.	+6522.6	520	9.3	60245.	+6550.7	610	8.8	75209.	+6517.3	700	9.5	90122.	+6559.5
432	8.9	43552.	+6524.9	521	9.0	60513.	+6510.7	611	8.8	75255.	+6558.4	701	9.5	90307.	+6534.5
433	9.0	43607.	+6500.4	522	8.4	60549.	+6540.4	612	9.1	75646.	+6523.9	702	9.5	90520.	+6537.4
434	9.5	43752.	+6503.0	523	8.5	60549.	+6531.8	613	9.1	75728.	+6539.0	703	7.5	90815.	+6538.7
435	7.5	43909.	+6544.2	524	9.4	60842.	+6532.1	614	9.4	75934.	+6518.0	704	9.3	90914.	+6530.5
436	9.5	44027.	+6507.5	525	9.0	61116.	+6531.5	615	9.0	75937.	+6510.1	705	8.7	90926.	+6526.2
437	9.5	44043.	+6536.8	526	9.2	61121.	+6557.1	616	9.5	75938.	+6550.9	706	9.4	91052.	+6541.0
438	9.5	44047.	+6547.5	527	9.2	61354.	+6546.4	617	9.3	80021.	+6541.3	707	9.5	91129.	+6516.4
439	7.4	44325.	+6503.0	528	8.7	61405.	+6532.8	618	9.2	80036.	+6530.5	708	9.5	91246.	+6516.8
440	9.3	44332.	+6517.8	529	9.0	61639.	+6532.9	619	9.5	80131.	+6502.7	709	9.5	91253.	+6543.7
441	9.4	44343.	+6513.3	530	8.3	61642.	+6503.8	620	9.4	80225.	+6548.1	710	9.5	91355.	+6547.2
442	9.5	44403.	+6509.5	531	7.8	61643.	+6514.4	621	9.5	80258.	+6545.1	711	7.6	91353.	+6511.3
443	9.3	44430.	+6504.8	532	8.3	61659.	+6533.5	622	8.5	80345.	+6501.0	712	9.5	91422.	+6535.0
444	9.5	44600.	+6545.4	533	7.3	61950.	+6522.1	623	8.1	80439.	+6515.0	713	9.3	91619.	+6540.1
445	9.0	44643.	+6541.9	534	9.5	62155.	+6553.3	624	9.2	80632.	+6550.0	714	9.5	91653.	+6523.9
446	8.9	44650.	+6508.9	535	9.1	62224.	+6559.2	625	8.1	80710.	+6550.0	715	9.5	91654.	+6553.5
447	9.5	44745.	+6556.3	536	9.5	62535.	+6510.2	626	8.0	80742.	+6552.9	716	9.5	91659.	+6520.1
448	9.5	44752.	+6556.8	537	8.0	62643.	+6506.2	627	9.5	80914.	+6509.7	717	9.1	91705.	+6507.0
449	8.3	44816.	+6521.1	538	8.8	62650.	+6509.0	628	7.5	81031.	+6556.4	718	9.4	91705.	+6535.8
450	9.0	44940.	+6525.1	539	9.0	62703.	+6511.3	629	8.5	81117.	+6520.9	719	9.4	91816.	+6515.2
451	9.4	45101.	+6535.7	540	9.2	62725.	+6522.4	630	9.0	81117.	+6554.6	720	9.4	91949.	+6524.6
452	9.4	45138.	+6516.8	541	8.7	62839.	+6510.8	631	9.4	81122.	+6521.0	721	9.5	92026.	+6545.2
453	9.0	45155.	+6536.5	542	9.4	63453.	+6527.9	632	7.7	81209.	+6510.8	722	8.5	92031.	+6506.0
454	9.5	45451.	+6512.3	543	9.1	63500.	+6500.4	633	8.3	81345.	+6519.1	723	8.5	92457.	+6501.5
455	9.5	45456.	+6537.9	544	9.2	63540.	+6534.5	634	8.8	81648.	+65				

+65 754 9h35m

754 9.0 93520. +6523.3
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1812	9.0	224400.	+6527.0	1902	9.5	232330.	+6544.7	1992	9.5	235612.	+6554.8	81	9.2	03810.	+6417.2
1813	7.0	224431.	+6545.9	1903	9.2	232345.	+6513.4	1993	6.4	235626.	+6554.0	82	7.0	03929.	+6418.6
1814	3.8	224432.	+6525.9	1904	9.5	232351.	+6555.1	1994	8.2	235723.	+6502.1	83	8.8	04017.	+6446.7
1815	9.5	224517.	+6548.6	1905	9.5	232353.	+6555.8	1995	7.8	235732.	+6542.4	84	8.0	04058.	+6417.6
1816	9.1	224530.	+6540.4	1906	9.2	232353.	+6534.2	1996	9.5	235738.	+6530.1	85	9.3	04155.	+6451.3
1817	7.3	224538.	+6558.2	1907	9.5	232401.	+6515.7	1997	9.5	235744.	+6502.0	86	9.5	04316.	+6409.5
1818	9.5	224546.	+6547.2	1908	9.1	232405.	+6538.9	1998	9.5	235750.	+6543.8	87	9.3	04337.	+6400.5
1819	9.2	224553.	+6529.5	1909	9.2	232517.	+6519.3	1999	9.5	235848.	+6504.0	88	9.3	04437.	+6414.4
1820	9.2	224556.	+6537.0	1910	9.1	232537.	+6508.4	2000	9.5	235915.	+6522.4	89	9.4	04452.	+6405.6
1821	8.6	224628.	+6514.3	1911	9.5	232610.	+6545.6	2001	8.0	235924.	+6537.3	90	9.5	04514.	+6411.8
1822	9.4	224646.	+6543.2	1912	8.5	232636.	+6533.1	1	8.9	00031.	+6437.1	91	9.5	04541.	+6420.6
1823	9.4	224709.	+6542.0	1913	9.4	232650.	+6532.5	2	8.9	00129.	+6447.4	92	9.4	04606.	+6410.2
1824	9.5	224721.	+6557.8	1914	9.5	232712.	+6501.1	3	7.0	00139.	+6417.0	93	9.5	04617.	+6427.1
1825	9.4	224737.	+6537.2	1915	9.5	232739.	+6554.6	4	9.1	00144.	+6412.5	94	9.5	04621.	+6420.0
1826	8.0	224740.	+6550.6	1916	9.3	232914.	+6547.8	5	7.6	00222.	+6456.2	95	9.5	04628.	+6414.6
1827	9.0	224746.	+6543.4	1917	8.3	233013.	+6545.7	6	9.4	00316.	+6413.4	96	9.5	04648.	+6419.2
1828	9.3	224814.	+6519.7	1918	9.5	233015.	+6557.7	7	9.2	00318.	+6409.5	97	9.5	04705.	+6405.0
1829	9.1	224907.	+6558.5	1919	9.5	233032.	+6523.7	8	9.3	00341.	+6440.5	98	9.5	04709.	+6422.2
1830	8.6	225000.	+6538.8	1920	8.7	233107.	+6512.4	9	8.5	00419.	+6448.2	99	9.5	04716.	+6419.8
1831	9.5	225006.	+6523.6	1921	9.5	233151.	+6513.7	10	9.5	00424.	+6411.0	100	9.1	04723.	+6456.7
1832	9.1	225016.	+6533.0	1922	7.8	233216.	+6541.3	11	9.3	00449.	+6435.4	101	9.5	04730.	+6454.1
1833	8.0	225048.	+6557.6	1923	9.5	233222.	+6537.9	12	9.4	00507.	+6429.0	102	9.5	04733.	+6422.8
1834	9.0	225133.	+6544.7	1924	9.5	233239.	+6555.5	13	9.5	00539.	+6448.4	103	9.5	04757.	+6419.4
1835	9.4	225152.	+6533.5	1925	8.4	233248.	+6522.7	14	9.5	00540.	+6431.9	104	9.5	04810.	+641.0
1836	8.5	225157.	+6516.7	1926	9.1	233315.	+6540.2	15	7.5	00602.	+6403.1	105	9.3	04830.	+6418.3
1837	8.6	225211.	+6541.7	1927	9.0	233401.	+6550.4	16	9.5	00636.	+6454.3	106	9.5	04834.	+6405.3
1838	9.0	225458.	+6540.3	1928	9.5	233414.	+6550.4	17	9.4	00825.	+6410.3	107	8.4	04851.	+6435.5
1839	9.4	225511.	+6524.6	1929	9.1	233427.	+6526.3	18	9.5	00904.	+6449.8	108	9.5	05102.	+6439.4
1840	9.5	225513.	+6544.7	1930	8.5	233440.	+6542.0	19	9.5	01007.	+6442.3	109	8.4	05129.	+6421.6
1841	9.5	225701.	+6555.2	1931	9.5	233504.	+6556.1	20	9.5	01012.	+6449.7	110	9.5	05224.	+6438.9
1842	9.0	225716.	+6539.3	1932	9.5	233531.	+6511.0	21	9.5	01026.	+6457.7	111	9.5	05228.	+6432.5
1843	9.2	225811.	+6529.0	1933	9.5	233622.	+6540.3	22	9.4	01028.	+6455.5	112	9.2	05237.	+6455.8
1844	9.5	225816.	+6537.5	1934	9.2	233626.	+6540.3	23	9.3	01032.	+6431.4	113	9.5	05244.	+6452.7
1845	9.5	225843.	+6545.2	1935	7.7	233707.	+6544.6	24	9.5	01040.	+6454.9	114	9.5	05244.	+6425.1
1846	9.4	225848.	+6559.3	1936	9.5	233708.	+6545.3	25	9.5	01052.	+6451.4	115	8.8	05336.	+6419.7
1847	8.5	225955.	+6556.5	1937	9.4	233710.	+6557.7	26	8.8	01112.	+6425.0	116	8.0	05353.	+6402.6
1848	9.5	230111.	+6518.6	1938	9.5	233805.	+6550.2	27	9.5	01124.	+6401.2	117	9.4	05429.	+6414.3
1849	8.5	230137.	+6530.0	1939	9.3	233850.	+6516.8	28	9.2	01125.	+6420.6	118	9.5	05528.	+6405.3
1850	7.8	230314.	+6517.2	1940	9.3	233852.	+6511.3	29	9.5	01214.	+6418.6	119	9.5	05531.	+6416.8
1851	8.5	230334.	+6515.3	1941	9.5	233918.	+6541.9	30	9.2	01229.	+6403.9	120	9.5	05558.	+6431.5
1852	9.5	230342.	+6541.5	1942	9.4	233922.	+6520.8	31	9.5	01236.	+6442.7	121	9.5	05658.	+6446.6
1853	9.1	230447.	+6514.9	1943	6.3	233945.	+6558.5	32	9.4	01241.	+6412.1	122	8.9	05736.	+6447.7
1854	9.5	230457.	+6549.5	1944	8.9	234029.	+6547.3	33	9.3	01302.	+6441.2	123	9.5	05924.	+6427.1
1855	9.3	230509.	+6507.4	1945	9.5	234032.	+6553.1	34	9.1	01304.	+6416.0	124	9.5	05924.	+6450.1
1856	9.0	230511.	+6507.4	1946	7.2	234113.	+6527.6	35	9.1	01425.	+6459.0	125	8	10010.	+6414.7
1857	9.3	230627.	+6512.5	1947	7.8	234116.	+6536.1	36	7.5	01517.	+6432.9	126	9.1	10108.	+6415.4
1858	9.0	230703.	+6523.8	1948	7.5	234118.	+6550.7	37	9.5	01546.	+6405.0	127	5	10221.	+6413.3
1859	9.5	230714.	+6536.6	1949	9.3	234126.	+6525.9	38	8.5	01557.	+6437.3	128	9	10238.	+6432.0
1860	9.5	230717.	+6559.4	1950	9.5	234217.	+6502.9	39	9.4	01613.	+6403.3	129	7	10318.	+6413.6
1861	9.5	230812.	+6513.5	1951	9.5	234230.	+6500.4	40	9.5	01617.	+6457.8	130	8	10412.	+6450.9
1862	9.0	230814.	+6501.0	1952	9.5	234256.	+6501.0	41	9.4	01638.	+6414.8	131	9	10435.	+6403.6
1863	9.5	230841.	+6536.2	1953	9.4	234326.	+6521.7	42	9.5	01706.	+6445.8	132	9.5	10451.	+6430.1
1864	9.5	230849.	+6502.2	1954	9.1	234432.	+6546.7	43	9.5	01709.	+6446.1	133	9.0	10452.	+6457.7
1865	9.5	230900.	+6549.9	1955	8.6	234508.	+6538.9	44	7.0	01747.	+6434.9	134	9.5	10557.	+6404.7
1866	9.5	230938.	+6510.1	1956	9.4	234513.	+6528.8	45	9.1	01813.	+6428.4	135	9.4	10604.	+6417.3
1867	9.5	230941.	+6506.2	1957	9.5	234604.	+6503.3	46	9.5	01818.	+6424.0	136	9.2	10630.	+6432.0
1868	9.2	230946.	+6501.9	1958	8.2	234608.	+6535.8	47	8.3	01907.	+6453.0	137	9.4	10636.	+6441.5
1869	9.5	231013.	+6544.5	1959	8.0	234615.	+6558.0	48	9.5	02045.	+6442.2	138	9.1	10642.	+6453.4
1870	9.4	231104.	+6529.3	1960	9.5	234630.	+6550.5	49	9.0	02057.	+6439.3	139	9.5	10646.	+6427.3
1871	9.0	231108.	+6541.0	1961	9.3	234652.	+6507.0	50	9.2	02117.	+6405.9	140	9.5	10653.	+6405.3
1872	8.8	231120.	+6524.8	1962	9.5	234655.	+6528.8	51	9.3	02131.	+6436.5	141	9.4	10736.	+6409.8
1873	9.0	231122.	+6508.5	1963	9.5	234708.	+6510.8	52	8.2	02215.	+6428.0	142	9.5	10752.	+6408.8
1874	9.5	231134.	+6535.2	1964	8.7	234731.	+6538.5	53	9.1	02212.	+6449.8	143	9.5	10831.	+6411.8
1875	9.5	231205.	+6521.3	1965	9.5	234732.	+6532.9	54	9.5	02440.	+6425.0	144	7.6	10906.	+6450.4
1876	9.5	231331.	+6502.0	1966	9.5	234747.	+6525.2	55	9.4	02522.	+6404.9	145	9.4	13907.	+6434.8
1877	7.8	231337.	+6537.6	1967	9.5	234751.	+6516.4	56	9.0	02537.	+6443.2	146	9.4	13933.	+6459.9
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1880	9.5	231609.	+6519.9	1970	9.3	235020.	+6537.8	59	9.4	02759.	+6453.6	149	9.4	14042.	+6400.1
1881	9.5	231610.	+6513.0	1971	8.7	235031.	+6510.5	60	9.5	02803.	+6409.1	150	8.0	14109.	+6419.5
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536	6.7	52315.	+6403.0	626	9.3	70418.	+6421.3	716	7.5	85327.	+6437.5	806	9.3	103133.	+6459.2
537	9.5	52645.	+6449.7	627	9.5	70519.	+6451.5	717	9.3	85332.	+6459.5	807	8.3	103248.	+6444.1
538	9.2	52730.	+6404.5	628	8.0	70529.	+6422.2	718	9.4	85345.	+6407.0	808	9.5	103548.	+6425.9
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543	9.5	53109.	+6412.8	633	7.7	71505.	+6408.5	723	5.0	85856.	+6406.2	813	9.5	104340.	+6408.9
544	7.3	53158.	+6440.9	634	9.4	71527.	+6409.1	724	9.0	90200.	+6405.9	814	8.3	104404.	+6419.2
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546	9.2	53543.	+6431.1	636	8.7	71747.	+6454.8	726	9.5	90551.	+6400.4	816	9.4	104449.	+6420.1
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550	9.0	53852.	+6455.6	640	7.8	72333.	+6456.8	730	9.5	90853.	+6440.4	820	9.5	104745.	+6402.6
551	8.7	53921.	+6457.1	641	9.5	72454.	+6415.1	731	9.4	91056.	+6406.0	821	9.3	104818.	+6448.1
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554	9.1	54133.	+6417.2	644	9.5	72733.	+6447.1	734	9.4	91437.	+6449.8	824	6.8	105154.	+6411.7
555	8.7	54243.	+6407.2	645	9.5	72846.	+6420.4	735	7.8	91510.	+6457.8	825	9.5	105209.	+6414.2
556	9.5	54733.	+6418.7	646	9.2	72915.	+6405.5	736	8.3	91654.	+6459.5	826	9.3	105301.	+6457.4
557	8.5	54757.	+6457.4	647	9.4	72936.	+6401.5	737	9.5	91827.	+6451.2	827	8.8	105331.	+6457.9
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559	9.5	54925.	+6449.5	649	7.1	73332.	+6423.4	739	9.4	91952.	+6427.6	829	9.2	105447.	+6430.0
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562	9.5	55054.	+6441.6	652	9.1	73629.	+6432.3	742	9.0	92344.	+6421.7	832	9.5	105652.	+6432.9
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565	9.4	55404.	+6414.2	655	8.5	73817.	+6417.6	745	9.5	92538.	+6454.6	835	9.3	110125.	+6427.5
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567	9.5	55617.	+6403.5	657	9.5	74342.	+6403.7	747	9.1	93105.	+6439.4	837	9.5	110402.	+6424.9
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574	9.0	60234.	+6402.3	664	9.5	74838.	+6456.9	754	9.4	93748.	+6450.2	844	9.5	111632.	+6441.7
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576	9.5	60435.	+6445.9	666	9.5	75044.	+6423.0	756	9.5	93924.	+6428.1	846	8.7	111738.	+6436.8
577	9.4	60541.	+6413.2	667	8.8	75124.	+6428.9	757	9.5	94143.	+6434.4	847	8.2	111912.	+6458.8
578	9.4	60912.	+6430.5	668	9.5	75352.	+6444.6	758	9.5	94152.	+6432.4	848	7.5	112034.	+6422.1
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604	9.3	63831.	+6419.3	694	9.5	82346.	+6454.1	784	9.0	101553.	+6419.6	874	9.3	115225.	+6450.2
605	9.5	64000.	+6442.3	695	9.4	82459.	+6401.6	785	9.5	101612.	+6428.1	875	9.1	115444.	+6413.7
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1291	8.9	184600.	+6404.4	1381	8.9	194256.	+6422.3	1471	8.4	204725.	+6403.7	1561	9.0	212901.	+6419.7
1292	8.9	184603.	+6443.0	1382	8.8	194257.	+6410.7	1472	8.8	204733.	+6426.7	1562	9.5	212903.	+6405.7
1293	9.3	184629.	+6407.2	1383	9.5	194330.	+6432.1	1473	9.0	204826.	+6457.0	1563	8.8	212915.	+6415.8
1294	9.2	184801.	+6407.8	1384	9.5	194438.	+6419.6	1474	9.5	204832.	+6437.9	1564	8.4	212922.	+6452.5
1295	8.7	184835.	+6417.8	1385	9.5	194438.	+6421.6	1475	9.4	204841.	+6411.3	1565	8.5	213015.	+6405.1
1296	9.5	184839.	+6410.7	1386	8.0	194600.	+6420.0	1476	8.8	204910.	+6417.3	1566	8.5	213021.	+6417.2
1297	9.0	184911.	+6420.2	1387	9.1	194636.	+6423.6	1477	9.4	205125.	+6459.9	1567	7.5	213059.	+6419.2
1298	8.9	185043.	+6412.7	1388	9.2	194656.	+6421.9	1478	9.2	205218.	+6437.1	1568	9.2	213145.	+6441.7
1299	9.4	185215.	+6426.4	1389	9.3	194707.	+6411.5	1479	9.2	205233.	+6421.6	1569	8.0	213159.	+6456.4
1300	8.4	185215.	+6436.3	1390	9.4	194724.	+6402.8	1480	9.5	205242.	+6451.2	1570	8.9	213221.	+6446.7
1301	9.4	185236.	+6459.9	1391	9.0	194732.	+6427.6	1481	8.9	205257.	+6411.8	1571	9.5	213238.	+6407.5
1302	9.5	185246.	+6448.0	1392	9.5	194803.	+6437.5	1482	9.5	205340.	+6413.3	1572	8.8	213418.	+6418.7
1303	9.5	185258.	+6400.6	1393	8.8	194817.	+6419.8	1483	9.2	205353.	+6457.0	1573	9.4	213436.	+6408.0
1304	9.0	185321.	+6438.2	1394	9.3	195006.	+6436.0	1484	9.2	205450.	+6447.2	1574	7.5	213438.	+6459.9
1305	9.5	185338.	+6423.0	1395	9.3	195028.	+6404.7	1485	9.5	205503.	+6404.6	1575	6.8	213446.	+6443.7
1306	9.0	185418.	+6418.6	1396	9.3	195205.	+6440.6	1486	9.5	205523.	+6438.6	1576	9.4	213525.	+6423.0
1307	8.8	185424.	+6407.9	1397	9.3	195300.	+6432.6	1487	9.0	205657.	+6403.4	1577	9.4	213525.	+6444.4
1308	9.0	185540.	+6419.6	1398	6.3	195324.	+6420.2	1488	9.1	205704.	+6403.4	1578	9.4	213530.	+6407.1
1309	9.2	185543.	+6428.9	1399	9.3	195435.	+6443.7	1489	9.5	205807.	+6457.5	1579	8.5	213541.	+6408.4
1310	8.0	185637.	+6438.0	1400	9.3	195545.	+6414.5	1490	8.9	210105.	+6438.3	1580	8.4	213644.	+6409.3
1311	8.3	185703.	+6454.3	1401	9.1	195722.	+6415.8	1491	8.4	210120.	+6428.4	1581	9.3	213730.	+6414.8
1312	9.5	185850.	+6408.2	1402	9.0	195810.	+6449.2	1492	9.5	210131.	+6443.1	1582	8.8	213825.	+6417.6
1313	9.5	190045.	+6413.2	1403	9.4	195812.	+6435.4	1493	9.1	210133.	+6413.7	1583	8.3	213837.	+6405.4
1314	9.5	190107.	+6453.0	1404	9.5	195940.	+6441.3	1494	9.1	210133.	+6421.5	1584	9.5	214038.	+6410.0
1315	9.3	190118.	+6453.5	1405	5.0	195956.	+6425.1	1495	9.5	210145.	+6403.4	1585	8.4	214129.	+6419.2
1316	9.3	190152.	+6412.4	1406	8.5	200035.	+6415.9	1496	7.8	210148.	+6426.2	1586	8.8	214239.	+6439.0
1317	7.8	190200.	+6408.2	1407	6.5	200045.	+6412.6	1497	8.5	210154.	+6417.0	1587	9.5	214321.	+6458.4
1318	9.0	190220.	+6403.6	1408	9.5	200206.	+6429.7	1498	9.4	210229.	+6450.7	1588	9.5	214337.	+6404.6
1319	9.5	190228.	+6402.7	1409	9.3	200216.	+6440.5	1499	9.3	210229.	+6456.0	1589	9.4	214337.	+6432.6
1320	9.4	190243.	+6456.8	1410	9.0	200227.	+6406.9	1500	9.5	210315.	+6416.1	1590	8.8	214344.	+6448.6
1321	8.4	190321.	+6449.6	1411	8.9	200232.	+6409.4	1501	9.5	210357.	+6401.8	1591	9.4	214349.	+6401.2
1322	7.5	190332.	+6458.9	1412	9.5	200330.	+6451.0	1502	8.9	210413.	+6428.6	1592	9.4	214351.	+6438.1
1323	8.5	190351.	+6438.8	1413	9.5	200433.	+6448.3	1503	9.2	210414.	+6407.9	1593	9.5	214401.	+6440.6
1324	9.5	190352.	+6401.0	1414	8.5	200501.	+6427.7	1504	8.6	210450.	+6424.2	1594	6.5	214438.	+6429.1
1325	8.7	190357.	+6448.1	1415	7.2	200554.	+6445.7	1505	9.3	210551.	+6424.0	1595	9.5	214454.	+6452.9
1326	8.9	190438.	+6412.7	1416	8.1	200606.	+6410.6	1506	9.3	210603.					

*64 1610 21h53m

*63 68 0h30m

1610	8.9	215303.	+6406.6	1700	9.3	223625.	+6420.6	1790	9.0	231425.	+6413.0	1880	9.5	234934.	+6443.3
1611	7.7	215306.	+6455.5	1701	6.8	223711.	+6408.0	1791	9.5	231432.	+6429.7	1881	9.0	235015.	+6430.7
1612	9.3	215425.	+6411.4	1702	7.3	223735.	+6455.3	1792	9.5	231442.	+6424.8	1882	9.1	235017.	+6447.3
1613	7.0	215609.	+6444.2	1703	9.2	223759.	+6409.8	1793	9.5	231459.	+6459.8	1883	8.0	235154.	+6404.3
1614	9.5	215747.	+6453.1	1704	6.5	223801.	+6433.9	1794	8.0	231553.	+6443.0	1884	9.0	235211.	+6432.7
1615	9.1	215755.	+6428.5	1705	8.9	223824.	+6448.7	1795	9.5	231645.	+6422.3	1885	9.5	235347.	+6418.9
1616	9.2	215819.	+6425.1	1706	9.1	223851.	+6436.3	1796	8.0	231647.	+6442.9	1886	9.5	235349.	+6411.5
1617	8.1	215824.	+6447.7	1707	9.4	223911.	+6401.6	1797	9.4	231718.	+6418.4	1887	7.5	235427.	+6438.7
1618	9.0	215921.	+6441.5	1708	9.4	223920.	+6438.3	1798	8.2	231718.	+6455.8	1888	9.3	235536.	+6427.3
1619	8.9	215953.	+6426.0	1709	9.2	224008.	+6448.1	1799	6.8	231740.	+6432.2	1889	9.5	235600.	+6453.8
1620	8.2	220013.	+6452.8	1710	9.5	224027.	+6459.0	1800	9.0	231757.	+6442.0	1890	9.5	235618.	+6405.6
1621	9.4	220035.	+6424.5	1711	9.2	224034.	+6430.9	1801	9.0	231803.	+6444.4	1891	8.9	235633.	+6420.5
1622	8.5	220046.	+6456.4	1712	9.3	224052.	+6425.9	1802	9.5	231816.	+6421.2	1892	9.5	235646.	+6448.6
1623	9.3	220111.	+6423.4	1713	7.3	224052.	+6431.9	1803	9.5	231827.	+6417.0	1893	6.9	235649.	+6420.7
1624	9.2	220116.	+6437.6	1714	9.5	224053.	+6402.0	1804	9.5	231838.	+6411.5	1894	7.2	235727.	+6438.1
1625	9.4	220221.	+6445.0	1715	9.2	224166.	+6456.5	1805	9.5	231923.	+6448.0	1895	9.5	235752.	+6435.7
1626	9.3	220237.	+6452.1	1716	8.8	224200.	+6406.0	1806	9.5	231954.	+6434.2	1896	9.5	235803.	+6424.8
1627	9.5	220239.	+6424.3	1717	7.0	224239.	+6417.6	1807	9.5	231957.	+6422.3	1897	9.3	235813.	+6435.2
1628	9.5	220240.	+6406.2	1718	9.5	224341.	+6415.2	1808	9.1	232018.	+6443.4	1898	9.3	235912.	+6429.3
1629	9.5	220322.	+6420.3	1719	9.5	224540.	+6407.8	1809	9.5	232041.	+6445.5	1899	9.5	235924.	+6444.0
1630	9.4	220339.	+6401.9	1720	9.5	224554.	+6429.5	1810	6.5	232056.	+6449.8	1900	8.0	235927.	+6432.7
1631	9.5	220428.	+6457.7	1721	9.4	224636.	+6431.9	1811	8.7	232134.	+6435.1	1	9.5	00049.	+6317.9
1632	9.5	220456.	+6441.5	1722	9.0	224705.	+6433.4	1812	8.9	232245.	+6457.0	2	9.5	00054.	+6328.6
1633	8.6	220600.	+6415.5	1723	9.0	224709.	+6424.0	1813	9.5	232335.	+6436.5	3	8.7	00150.	+6309.5
1634	7.7	220619.	+6448.3	1724	9.2	224712.	+6450.6	1814	8.3	232335.	+6453.3	4	9.3	00217.	+6348.9
1635	9.4	220731.	+6453.1	1725	9.5	224763.	+6409.3	1815	8.3	232340.	+6416.4	5	8.0	00233.	+6350.4
1636	9.2	220818.	+6446.5	1726	9.5	224747.	+6418.1	1816	8.3	232404.	+6422.3	6	9.0	00306.	+6327.2
1637	9.4	220929.	+6437.1	1727	9.4	224838.	+6450.9	1817	8.3	232405.	+6416.0	7	9.4	00337.	+6358.1
1638	9.5	221057.	+6459.1	1728	9.4	224841.	+6408.9	1818	8.3	232505.	+6450.2	8	9.4	00353.	+6309.2
1639	9.4	221119.	+6401.0	1729	8.6	224850.	+6436.4	1819	6.2	232540.	+6456.4	9	9.4	00445.	+6307.6
1640	9.3	221120.	+6417.0	1730	9.2	224946.	+6441.7	1820	9.2	232600.	+6404.9	10	8.5	00531.	+6333.0
1641	9.1	221137.	+6405.8	1731	9.5	225039.	+6422.5	1821	9.5	232617.	+6444.6	11	9.4	00548.	+6343.9
1642	9.5	221227.	+6446.0	1732	9.5	225041.	+6409.6	1822	9.5	232634.	+6429.2	12	8.9	00551.	+6321.7
1643	9.1	221338.	+6406.8	1733	9.5	225049.	+6401.0	1823	9.4	232638.	+6451.6	13	8.5	00553.	+6311.8
1644	8.8	221356.	+6408.9	1734	9.5	225128.	+6444.2	1824	9.4	232640.	+6449.6	14	9.3	00608.	+6331.0
1645	8.3	221417.	+6454.4	1735	9.2	225144.	+6431.4	1825	8.5	232708.	+6424.3	15	8.0	00700.	+6345.4
1646	8.0	221503.	+6403.6	1736	9.4	225152.	+6415.2	1826	9.4	232708.	+6408.5	16	9.5	00714.	+6358.5
1647	9.2	221535.	+6435.7	1737	8.9	225201.	+6450.6	1827	9.0	232735.	+6444.0	17	9.3	00722.	+6302.6
1648	9.2	221615.	+6420.4	1738	9.4	225249.	+6415.7	1828	9.5	232846.	+6420.8	18	9.5	00743.	+6319.8
1649	7.8	221628.	+6434.7	1739	9.3	225309.	+6408.5	1829	8.8	232925.	+6423.8	19	9.2	00835.	+6323.7
1650	9.5	221646.	+6457.0	1740	9.5	225405.	+6426.0	1830	9.4	233034.	+6420.6	20	9.5	00843.	+6336.1
1651	9.5	221738.	+6405.5	1741	9.5	225412.	+6434.4	1831	8.0	233047.	+6456.1	21	9.4	00851.	+6344.3
1652	9.4	221756.	+6409.2	1742	9.5	225432.	+6453.9	1832	9.4	233058.	+6419.7	22	9.5	00937.	+6301.6
1653	9.0	221857.	+6409.4	1743	8.5	225513.	+6448.1	1833	9.0	233102.	+6432.5	23	9.5	01025.	+6313.4
1654	9.2	221916.	+6434.6	1744	9.3	225529.	+6421.5	1834	9.4	233111.	+6430.5	24	9.4	01043.	+6302.6
1655	9.5	221919.	+6458.5	1745	8.9	225616.	+6459.6	1835	8.2	233122.	+6437.9	25	9.5	01056.	+6347.9
1656	9.5	221939.	+6427.4	1746	9.5	225752.	+6453.6	1836	7.5	233308.	+6401.8	26	9.4	01112.	+6304.8
1657	9.3	221952.	+6427.1	1747	9.5	225800.	+6458.6	1837	9.5	233328.	+6405.6	27	8.9	01115.	+6307.6
1658	9.2	221953.	+6409.8	1748	8.9	225834.	+6425.0	1838	7.0	233430.	+6419.4	28	9.4	01136.	+6301.4
1659	9.9	222003.	+6407.0	1749	9.3	225854.	+6436.9	1839	9.3	233430.	+6434.1	29	9.4	01143.	+6304.8
1660	8.8	222027.	+6431.7	1750	9.5	225919.	+6428.5	1840	9.5	233445.	+6428.2	30	8.6	01159.	+6329.4
1661	9.0	222125.	+6446.5	1751	8.9	225932.	+6421.1	1841	9.3	233447.	+6418.9	31	9.5	01310.	+6303.8
1662	8.8	222126.	+6447.5	1752	8.8	225958.	+6401.4	1842	9.4	233522.	+6450.5	32	9.4	01345.	+6333.8
1663	9.4	222201.	+6450.2	1753	8.5	230032.	+6405.0	1843	9.5	233601.	+6458.7	33	9.1	01353.	+6348.1
1664	5.8	222226.	+6423.3	1754	9.4	230106.	+6447.3	1844	9.5	233615.	+6440.0	34	9.5	01402.	+6346.6
1665	8.5	222227.	+6444.1	1755	9.3	230112.	+6432.9	1845	8.5	233627.	+6406.9	35	9.3	01415.	+6314.9
1666	9.5	222253.	+6458.0	1756	9.4	230116.	+6420.5	1846	8.7	233639.	+6450.3	36	9.5	01417.	+6336.3
1667	9.5	222255.	+6448.1	1757	9.2	230150.	+6454.1	1847	9.1	233647.	+6409.1	37	9.5	01425.	+6349.0
1668	9.2	222302.	+6411.6	1758	6.9	230157.	+6450.0	1848	9.3	233715.	+6415.0	38	8.5	01615.	+6329.8
1669	9.5	222308.	+6419.3	1759	9.4	230220.	+6449.3	1849	8.9	233721.	+6407.2	39	9.5	01619.	+6302.8
1670	9.5	222326.	+6452.9	1760	8.5	230259.	+6403.4	1850	8.9	233808.	+6448.6	39#40.0	01647.	+6320.6	
1671	9.0	222341.	+6418.1	1761	8.8	230312.	+6424.5	1851	9.5	233846.	+6443.5	40	8.3	01707.	+6350.1
1672	8.3	222436.	+6421.5	1762	9.2	230314.	+6407.6	1852	9.3	233859.	+6432.7	41	9.5	01710.	+6352.5
1673	9.3	222443.	+6428.4	1763	9.1	230322.	+6433.9	1853	9.4	233902.	+6400.9	42	9.5	01717.	+6334.8
1674	9.4	222559.	+6448.1	1764	6.8	230326.	+6425.6	1854	9.1	233911.	+6456.8	43	9.5	01729.	+6356.0
1675	9.3	222608.	+6406.0	1765	9.0	230346.	+6406.6	1855	9.5	233926.	+6406.4	44	9.4	01736.	+6301.0
1676	9.5	222616.	+6456.1	1766	9.4	230401.	+6411.9	1856	9.1	233932.	+6459.1	45	8.7	01751.	+6302.9
1677	8.9	222627.	+6443.7	1767	9.4	230416.	+6407.6	1857	9.3	234003.	+6415.5	46	9.5	01828.	+6317.1
1678	9.3	222641.	+6420.0	1768	9.3	230514.	+6447.4	1858	9.5	234136.	+6455.8	47	9.0	01829.	+6320.0
1679	7.9	222737.	+6432.9	1769	9.5	230536.	+6436.2	1859	9.2	234138.	+6418.0	48	9.0	01835.	+6337.3
1680	9.2	222815.	+6427.5	1770	9.0	230541.	+6455.4	1860	8.5	234138.	+6405.1	49	9.1	01855.	+6342.6
1681	9.4	222834.	+6402.8	1771	9.5	230554.	+6412.0	1861	6.5	234141.	+6404.5	50	9.5	01959.	+6313.2
1682	7.5	222909.	+6428.0	1772	9.3	230554.	+6453.4	1862	9.5	234148.	+6446.9	51	9.4	02033.	+6355.4
1683	9.4	222917.	+6451.0	1773	7.0	230638.	+6400.3	1863	9.3	234334.	+6413.0	52	8.0	02107.	+6326.9
1684	9.1	222930.	+6425.0	1774	9.5	230650.	+6427.2	1864	9.3	234334.	+6427.3	53	7.0	02204.	+6356.8
1685	9.5	222937.	+6421.0	1775	9.5	230711.	+6408.2	1865	9.3	234454.	+6450.2	54	8.2	02209.	+6358.3
1686	9.4	223038.	+6437.0	1776	9.5	230758.	+6457.7	1866	9.0	234514.	+6456.7	55	8.0	02244.	+6316.4
1687	7.5	223147.	+6430.2	1777	9.5	230832.	+6449.2	1867	8.9	234515.	+6427.3				

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1547	9.3	193652.	+6357.2	1636	9.4	203330.	+6313.3	1725	9.0	212040.	+6315.6	1815	7.2	220522.	+6324.8
1548	9.4	193654.	+6352.3	1637	9.1	203335.	+6345.8	1726	9.0	212047.	+6347.7	1816	9.5	220540.	+6350.5
1549	8.5	193703.	+6308.9	1638	9.4	203441.	+6359.7	1727	9.1	212118.	+6341.7	1817	9.2	220606.	+6303.8
1550	9.0	193706.	+6306.9	1639	9.0	203450.	+6301.5	1728	9.0	212128.	+6337.7	1818	8.4	220607.	+6358.8
1551	9.4	193716.	+6347.5	1640	8.0	203454.	+6351.5	1729	8.9	212139.	+6344.7	1819	8.4	220706.	+6316.5
1552	9.5	193720.	+6342.1	1641	9.2	203505.	+6338.8	1730	8.5	212309.	+6338.1	1820	7.8	220746.	+6300.3
1553	8.3	193827.	+6334.7	1642	8.3	203552.	+6344.1	1731	9.1	212310.	+6354.0	1821	9.5	220823.	+6336.8
1554	8.9	193834.	+6341.0	1643	9.3	203600.	+6328.5	1732	7.8	212337.	+6346.5	1822	9.5	221108.	+6305.2
1555	9.3	193849.	+6340.8	1644	8.5	203617.	+6322.5	1733	8.5	212413.	+6358.3	1823	8.3	221125.	+6330.2
1556	8.8	194105.	+6341.2	1645	8.8	203636.	+6359.2	1734	9.0	212430.	+6359.4	1824	9.4	221104.	+6346.2
1557	9.0	194131.	+6301.4	1646	9.3	203636.	+6336.8	1735	7.7	212432.	+6321.5	1825	9.1	221205.	+6353.9
1558	8.9	194142.	+6358.3	1647	8.0	203751.	+6341.7	1736	9.1	212434.	+6330.3	1826	8.4	221235.	+6335.4
1559	9.3	194342.	+6355.6	1648	9.1	203800.	+6303.8	1737	8.8	212438.	+6345.0	1827	9.5	221252.	+6337.3
1560	9.4	194401.	+6359.6	1649	9.3	203840.	+6344.2	1738	8.6	212443.	+6358.9	1828	8.0	221257.	+6369.3
1561	7.5	194425.	+6309.3	1650	9.1	203944.	+6335.1	1739	9.2	212510.	+6351.6	1829	9.5	221321.	+6314.5
1562	9.0	194543.	+6333.8	1651	9.2	204034.	+6336.1	1740	8.4	212640.	+6339.2	1830	8.8	221322.	+6323.3
1563	8.0	194604.	+6340.2	1652	9.3	204104.	+6321.3	1741	7.5	212713.	+6339.6	1831	8.7	221490.	+6358.4
1564	7.5	194612.	+6329.9	1653	9.3	204126.	+6317.1	1742	9.5	212726.	+6331.7	1832	9.5	221445.	+6309.8
1565	9.5	194722.	+6359.3	1654	9.2	204147.	+6300.4	1743	9.5	212848.	+6306.9	1833	9.4	221507.	+6351.4
1566	9.4	194738.	+6313.1	1655	8.3	204239.	+6300.7	1744	9.5	212907.	+6310.7	1834	9.5	221527.	+6321.4
1567	9.0	194812.	+6353.4	1656	9.5	204251.	+6312.0	1745	9.5	212937.	+6329.2	1835	9.5	221553.	+6348.6
1568	9.2	194911.	+6305.1	1657	9.5	204257.	+6330.5	1746	8.9	212939.	+6303.2	1836	9.1	221602.	+6323.8
1569	9.3	194926.	+6336.8	1658	9.5	204326.	+6330.7	1747	6.8	213037.	+6305.9	1837	9.5	221616.	+6304.9
1570	8.5	194930.	+6312.1	1659	9.5	204404.	+6338.6	1748	7.7	213041.	+6321.5	1838	9.5	221627.	+6305.2
1571	9.2	195034.	+6357.5	1660	7.8	204419.	+6327.2	1749	9.3	213049.	+6301.4	1839	8.8	221641.	+6305.2
1572	9.0	195059.	+6315.6	1661	9.5	204629.	+6313.0	1750	9.3	213123.	+6313.0	1840	8.3	221733.	+6333.7
1573	9.5	195106.	+6321.5	1662	8.6	204630.	+6353.7	1751	9.5	213149.	+6347.0	1841	9.3	221741.	+6335.9
1574	7.0	195114.	+6347.6	1663	6.5	204647.	+6329.8	1752	8.4	213212.	+6337.7	1842	8.7	221744.	+6310.8
1575	8.5	195121.	+6330.0	1664	9.4	204651.	+6358.0	1753	7.2	213238.	+6305.4	1843	9.5	221851.	+6334.1
1576	9.1	195257.	+6344.6	1665	9.3	204715.	+6318.5	1754	8.5	213308.	+6352.9	1844	9.5	222024.	+6331.3
1577	8.5	195322.	+6304.0	1666	8.6	204744.	+6321.5	1755	8.5	213335.	+6319.5	1845	9.2	222027.	+6304.3
1578	8.9	195335.	+6308.0	1667	8.1	204750.	+6318.1	1756	9.5	213348.	+6358.2	1846	9.3	222104.	+6356.8
1579	8.8	19534													

+63 1861 22h27m

+62 109 0h26m

1861	9.4	222726.	+6337.6	1951	9.4	230658.	+6338.5	2040	9.5	233604.	+6323.6	20	8.0	00442.	+6205.5
1862	9.5	222732.	+6332.0	1952	9.1	230726.	+6345.3	2041	9.4	233606.	+6302.4	21	9.5	00459.	+6211.6
1863	7.8	222806.	+6309.3	1953	9.3	230758.	+6303.1	2042	9.5	233647.	+6328.7	22	9.0	00509.	+6231.9
1864	9.4	222904.	+6355.8	1954	9.5	230844.	+6325.6	2043	8.8	233649.	+6310.4	23	9.2	00539.	+6226.1
1865	9.5	222927.	+6321.5	1955	7.0	230927.	+6329.1	2044	8.9	233748.	+6346.6	24	9.4	00540.	+6233.8
1866	8.2	222929.	+6304.2	1956	9.4	230937.	+6357.9	2045	9.5	233748.	+6309.5	25	9.5	00541.	+6239.0
1867	9.0	223019.	+6337.8	1957	9.0	230941.	+6335.5	2046	9.0	233758.	+6344.6	26	9.1	00555.	+6221.9
1868	8.1	223054.	+6350.3	1958	8.0	230945.	+6319.8	2047	8.3	233820.	+6305.4	27	9.4	00616.	+6256.4
1869	9.1	223135.	+6309.4	1959	9.5	230954.	+6356.1	2048	9.5	233829.	+6313.3	28	9.4	00653.	+6235.9
1870	9.5	223137.	+6347.8	1960	7.0	231019.	+6319.7	2049	9.3	233832.	+6321.8	29	7.4	00707.	+6202.1
1871	9.1	223228.	+6315.3	1961	9.5	231044.	+6341.3	2050	8.4	233852.	+6308.4	30	9.5	00718.	+6244.7
1872	6.7	223234.	+6300.1	1962	8.3	231055.	+6300.1	2051	7.0	233936.	+6329.6	31	9.4	00726.	+6256.6
1873	9.1	223325.	+6346.7	1963	9.5	231111.	+6310.3	2052	8.7	233951.	+6354.7	32	9.5	00733.	+6219.7
1874	8.8	223331.	+6331.0	1964	8.3	231113.	+6319.7	2053	9.4	233952.	+6356.2	33	9.5	00809.	+6248.3
1875	9.5	223411.	+6352.6	1965	8.5	231137.	+6357.0	2054	7.2	234025.	+6319.8	34	9.5	00819.	+6217.4
1876	9.5	223540.	+6304.1	1966	8.0	231142.	+6317.3	2055	7.8	234107.	+6300.4	35	9.5	00826.	+6225.2
1877	9.5	223551.	+6306.1	1967	8.2	231152.	+6320.1	2056	9.2	234129.	+6347.9	36	9.5	00842.	+6241.0
1878	9.2	223709.	+6338.5	1968	9.5	231212.	+6340.8	2057	9.3	234155.	+6304.2	37	9.4	00846.	+6219.4
1879	9.1	223744.	+6343.8	1969	9.5	231232.	+6306.1	2058	9.3	234159.	+6346.0	38	8.2	00910.	+6245.0
1880	9.5	223841.	+6324.5	1970	9.5	231247.	+6339.4	2059	9.3	234215.	+6326.6	39	9.5	00929.	+6215.4
1881	9.0	223853.	+6320.1	1971	9.5	231334.	+6330.0	2060	9.3	234219.	+6322.7	40	8.5	00933.	+6200.9
1882	7.8	223854.	+6349.3	1972	9.5	231400.	+6349.4	2061	9.0	234322.	+6351.7	41	9.2	01007.	+6213.4
1883	9.5	223924.	+6303.0	1973	9.5	231435.	+6322.1	2062	9.0	234324.	+6339.2	42	9.4	01010.	+6205.5
1884	9.5	223956.	+6359.3	1974	7.0	231502.	+6356.7	2062a	9.3	234328.	+6352.2	43	9.5	01023.	+6225.0
1885	9.5	224027.	+6309.9	1975	8.3	231513.	+6321.6	2063	8.9	234345.	+6317.9	44	9.5	01024.	+6232.1
1886	9.0	224140.	+6325.0	1976	9.4	231521.	+6309.4	2064	6.6	234356.	+6310.7	45	9.5	01043.	+6210.5
1887	9.4	224151.	+6328.6	1977	9.5	231526.	+6328.1	2065	9.5	234431.	+6301.0	46	9.5	01044.	+6218.9
1888	9.0	224224.	+6335.0	1978	7.5	231551.	+6342.6	2066	9.4	234459.	+6348.9	47	9.5	01057.	+6258.9
1889	9.5	224227.	+6300.5	1979	9.5	231555.	+6322.6	2067	9.5	234504.	+6338.5	48	7.5	01105.	+6229.0
1890	8.6	224433.	+6313.8	1980	8.6	231555.	+6304.5	2068	9.5	234507.	+6319.9	49	8.7	01107.	+6245.9
1891	9.5	224459.	+6325.6	1981	9.5	231631.	+6354.0	2069	8.8	234540.	+6329.6	50	9.4	01111.	+6251.7
1892	8.9	224529.	+6335.9	1982	8.9	231633.	+6305.0	2070	9.5	234610.	+6330.6	51	9.4	01117.	+6247.0
1893	8.6	224532.	+6347.7	1983	9.5	231641.	+6333.5	2071	8.8	234622.	+6335.0	52	9.5	01203.	+6238.3
1894	9.0	224533.	+6325.4	1984	9.3	231734.	+6353.2	2072	9.5	234627.	+6357.6	53	9.5	01213.	+6257.4
1895	9.5	224550.	+6332.1	1985	9.2	231737.	+6344.0	2073	9.5	234647.	+6328.2	54	9.5	01228.	+6210.9
1896	9.4	224611.	+6307.0	1986	9.3	231808.	+6323.6	2074	9.5	234700.	+6301.1	55	9.5	01241.	+6203.8
1897	9.5	224612.	+6356.8	1987	9.3	231810.	+6316.7	2075	9.2	234755.	+6304.9	56	9.5	01241.	+6247.2
1898	9.5	224656.	+6311.7	1988	7.0	231818.	+6303.1	2076	8.5	234852.	+6322.7	57	9.5	01250.	+6214.2
1899	9.4	224726.	+6355.0	1989	8.3	231842.	+6344.8	2077	9.3	234853.	+6343.3	58	8.6	01302.	+6252.0
1900	8.8	224817.	+6337.4	1990	9.5	231902.	+6336.0	2078	9.5	234904.	+6308.3	59	9.5	01307.	+6219.0
1901	8.7	224819.	+6339.8	1991	9.5	231921.	+6353.6	2079	9.0	235023.	+6322.6	60	9.5	01323.	+6215.8
1902	9.5	224838.	+6353.2	1992	9.2	232000.	+6306.1	2080	9.0	235055.	+6325.7	61	9.4	01352.	+6257.6
1903	4.1	224839.	+6320.2	1993	7.4	232014.	+6330.0	2081	9.3	235058.	+6302.7	62	9.5	01357.	+6242.5
1904	8.2	224852.	+6370.6	1994	9.0	232025.	+6349.2	2082	9.3	235129.	+6312.7	63	9.4	01400.	+6217.9
1905	9.5	224919.	+6334.0	1995	8.5	232030.	+6326.2	2083	9.2	235139.	+6357.0	64	9.5	01501.	+6257.9
1906	9.5	224955.	+6351.5	1996	8.3	232039.	+6348.6	2084	8.9	235153.	+6301.2	65	9.5	01514.	+6205.6
1907	9.0	225050.	+6341.8	1997	9.5	232101.	+6355.9	2085	8.8	235159.	+6338.5	66	9.5	01523.	+6204.8
1908	9.5	225137.	+6322.5	1998	7.0	232103.	+6307.4	2086	8.0	235211.	+6349.5	67	9.0	01538.	+6231.6
1909	9.5	225248.	+6308.6	1999	9.5	232148.	+6336.5	2087	9.1	235221.	+6345.8	68	9.4	01542.	+6233.9
1910	9.5	225259.	+6334.9	2000	9.5	232159.	+6356.7	2088	9.1	235234.	+6303.6	69	9.5	01604.	+6206.8
1911	9.5	225400.	+6303.3	2001	9.3	232226.	+6338.0	2089	9.1	235235.	+6311.8	70	9.0	01621.	+6206.2
1912	9.5	225432.	+6320.1	2002	9.4	232240.	+6347.8	2090	9.5	235254.	+6317.8	71	8.9	01625.	+6255.1
1913	9.5	225444.	+6329.0	2003	9.4	232356.	+6308.0	2091	9.5	235311.	+6348.5	72	9.5	01640.	+6227.6
1914	9.4	225518.	+6357.0	2004	6.9	232405.	+6336.5	2092	9.4	235406.	+6312.4	73	8.6	01708.	+6224.7
1915	8.8	225613.	+6301.4	2005	9.5	232409.	+6350.3	2093	9.1	235418.	+6348.9	74	9.5	01756.	+6220.8
1916	9.2	225619.	+6301.1	2006	7.9	232412.	+6332.0	2094	9.5	235424.	+6303.1	75	9.5	01803.	+6230.7
1917	7.5	225642.	+6326.0	2007	8.3	232422.	+6312.0	2095	9.5	235505.	+6343.9	76	9.5	01805.	+6237.2
1918	9.1	225700.	+6320.7	2008	9.1	232444.	+6313.3	2096	9.5	235523.	+6351.2	77	9.5	01815.	+6221.0
1919	9.5	225707.	+6352.3	2009	9.0	232552.	+6327.7	2097	9.5	235525.	+6312.8	78	9.1	01824.	+6247.6
1920	8.9	225710.	+6327.2	2010	9.4	232600.	+6318.7	2098	9.5	235551.	+6332.1	79	9.0	01826.	+6238.1
1921	9.5	225716.	+6349.8	2011	8.0	232602.	+6320.0	2099	9.5	235634.	+6326.8	80	9.5	01830.	+6225.0
1922	8.9	225716.	+6325.9	2012	9.3	232633.	+6328.6	2100	9.5	235642.	+6328.6	81	9.5	01921.	+6216.0
1923	8.6	225755.	+6358.8	2013	9.4	232642.	+6308.1	2101	9.3	235645.	+6354.3	82	9.5	01957.	+6225.0
1924	9.1	225816.	+6329.2	2014	9.5	232648.	+6313.2	2102	9.5	235648.	+6352.3	83	9.5	02009.	+6211.4
1925	6.8	225902.	+6318.7	2015	9.4	232657.	+6340.1	2103	7.7	235727.	+6359.1	84	9.0	02011.	+6256.2
1926	9.4	225911.	+6307.0	2016	9.5	232713.	+6334.6	2104	9.3	235805.	+6317.4	85	8.9	02025.	+6236.2
1927	9.1	225944.	+6329.0	2017	9.5	232757.	+6326.6	2105	9.0	235806.	+6300.6	86	9.4	02033.	+6239.8
1928	7.8	230011.	+6330.9	2018	9.5	232807.	+6334.0	2106	9.3	235828.	+6357.3	87	8.8	02056.	+6242.2
1929	8.8	230056.	+6333.9	2019	9.5	232850.	+6357.3	2107	5.4	235858.	+6322.2	88	8.8	02103.	+6240.5
1930	9.4	230139.	+6325.4	2020	9.5	232915.	+6342.3	2108	8.0	235929.	+6355.7	89	9.5	02144.	+6216.1
1931	9.3	230204.	+6325.3	2021	9.5	232958.	+6300.9	2109	9.5	235952.	+6313.4	90	9.5	02151.	+6215.1
1932	9.2	230219.	+6357.7	2022	8.0	233007.	+6344.2	1	9.5	00003.	+6215.9	91	9.4	02202.	+6225.5
1933	9.3	230227.	+6359.8	2023	9.5	233029.	+6355.8	2	9.4	00005.	+6220.0	92	8.8	02215.	+6252.7
1934	9.2	230253.	+6318.6	2024	9.3	233100.	+6330.0	3	9.1	00014.	+6233.1	93	9.2	02305.	+6233.0
1935	9.3	230243.	+6351.1	2025	9.5	233121.	+6358.0	4	9.0	00029.	+6232.3	94	9.5	02308.	+6232.4
1936	9.0	230253.	+6350.6	2026	8.9	233139.	+6332.5	5	6.5	00100.	+6223.8	95	9.4	02311.	+6230.4
1937	9.5	230315.	+6348.8	2027	9.4	233204.	+6331.0	6	9.5	00112.	+6236.2	96	9.4	02312.	+6232.4
1938	7.8	230315.	+6313.3	2028	9.5	233224.	+6349.7	7	9.5	00143.	+6214.5	97	9.4	02322.	+6226.9
1939	9.2	230338.	+6349.2	20											

+62 110 0h27m

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1595	8.4	180404.	+6214.8	1685	9.5	190825.	+6229.2	1775	9.0	195636.	+6245.2	1865	9.5	204924.	+6212.8
1596	8.2	180414.	+6218.0	1686	8.6	190839.	+6213.1	1776	8.3	195701.	+6239.6	1866	9.5	204940.	+6236.5
1597	8.3	180521.	+6256.0	1687	8.5	190845.	+6217.3	1777	8.7	195708.	+6226.7	1867	9.0	205007.	+6211.4
1598	9.5	180552.	+6225.4	1688	8.6	190850.	+6222.4	1778	9.5	195729.	+6244.7	1868	9.1	205016.	+6201.5
1599	9.1	180739.	+6227.1	1689	9.4	190902.	+6235.0	1779	9.5	195852.	+6222.2	1869	9.5	205123.	+6216.4
1600	8.7	180739.	+6254.8	1690	8.8	190930.	+6208.8	1780	9.5	195859.	+6259.5	1870	9.3	205245.	+6210.9
1601	9.5	181023.	+6228.9	1691	7.7	191000.	+6257.2	1781	9.2	195903.	+6206.7	1871	8.3	205249.	+6224.1
1602	9.3	181054.	+6259.9	1692	9.4	191001.	+6206.2	1782	9.1	195939.	+6214.6	1872	9.0	205307.	+6231.2
1603	9.4	181153.	+6216.0	1693	9.4	191014.	+6224.5	1783	8.6	200031.	+6200.6	1873	8.8	205335.	+6202.0
1604	9.5	181154.	+6230.8	1694	9.2	191037.	+6220.1	1784	9.3	200108.	+6248.0	1874	9.0	205348.	+6203.0
1605	9.0	181204.	+6205.9	1695	9.5	191149.	+6257.0	1785	8.8	200200.	+6230.0	1875	9.4	205353.	+6221.9
1606	8.6	181207.	+6210.8	1696	9.5	191155.	+6256.8	1786	8.8	200233.	+6234.0	1876	8.8	205354.	+6227.7
1607	9.0	181418.	+6219.9	1697	9.3	191227.	+6205.8	1787	9.1	200257.	+6242.7	1877	9.3	205356.	+6209.0
1608	9.0	181528.	+6243.6	1698	7.7	191238.	+6232.1	1788	9.5	200322.	+6257.5	1878	8.0	205426.	+6217.3
1609	9.5	181657.	+6223.1	1699	9.4	191246.	+6214.8	1789	9.1	200405.	+6215.8	1879	9.5	205453.	+6236.6
1610	9.5	181716.	+6216.8	1700	8.8	191418.	+6227.0	1790	8.5	200408.	+6218.8	1880	9.4	205522.	+6244.2
1611	9.1	181823.	+6243.7	1701	9.4	191515.	+6250.3	1791	8.2	200411.	+6239.8	1881	9.1	205558.	+6207.0
1612	9.0	181945.	+6253.5	1702	6.5	191531.	+6254.7	1792	9.3	200730.	+6231.0	1882	9.1	205638.	+6202.0
1613	8.2	182002.	+6221.2	1703	9.3	191544.	+6206.6	1793	9.0	200820.	+6216.3	1883	9.2	205742.	+6203.9
1614	9.4	182018.	+6217.3	1704	8.2	192014.	+6231.3	1794	9.5	200855.	+6219.2	1884	9.5	205821.	+6229.7
1615	9.3	182209.	+6253.0	1705	8.0	192023.	+6248.9	1795	9.4	201027.	+6215.3	1885	8.8	205930.	+6235.5
1616	7.8	182214.	+6241.7	1706	9.4	192033.	+6234.1	1796	8.5	201142.	+6244.2	1886	9.4	210005.	+6212.9
1617	8.9	182225.	+6222.8	1707	9.5	192035.	+6231.3	1797	9.1	201338.	+6217.2	1887	9.5	210023.	+6212.2
1618	9.5	182227.	+6202.5	1708	8.0	192126.	+6219.4	1798	9.5	201350.	+6201.9	1888	9.5	210054.	+6232.8
1619	9.4	182351.	+6228.0	1709	9.5	192200.	+6216.1	1799	9.1	201401.	+6215.8	1889	6.5	210106.	+6247.8
1620	9.0	182411.	+6244.2	1710	9.4	192205.	+6232.0	1800	9.5	201406.	+6215.3	1890	8.8	210223.	+6248.6
1621	9.1	182417.	+6250.5	1711	9.3	192219.	+6208.8	1801	9.5	201616.	+6234.9	1891	8.8	210233.	+6255.4
1622	9.5	182441.	+6233.0	1712	8.8	192329.	+6204.8	1802	9.4	201					

+62 1906 21h06m

+62 2265 23h32m

1906	8.9	210649.	+6228.9	1996	9.4	214832.	+6232.0	2086	9.1	222257.	+6215.2	2176	9.2	230318.	+6208.6
1907	9.5	210705.	+6229.1	1997	9.2	214847.	+6231.1	2087	8.2	222409.	+6232.0	2177	9.5	230332.	+6232.1
1908	9.4	210713.	+6208.1	1998	9.1	214854.	+6228.0	2088	9.2	222417.	+6202.9	2178	9.3	230336.	+6215.6
1909	9.3	210716.	+6206.6	1999	8.8	214905.	+6234.5	2089	9.4	222426.	+6229.9	2179	8.1	230336.	+6256.2
1910	9.5	210722.	+6245.1	2000	9.5	214918.	+6240.0	2090	9.5	222551.	+6201.0	2180	9.5	230356.	+6243.6
1911	9.5	210743.	+6240.2	2001	9.5	214922.	+6231.8	2091	8.6	222618.	+6246.2	2181	9.5	230357.	+6251.5
1912	9.5	210911.	+6214.4	2002	9.3	215131.	+6209.4	2092	9.5	222647.	+6207.4	2182	9.5	230445.	+6227.3
1913	9.5	210926.	+6219.4	2003	9.5	215139.	+6225.1	2093	8.8	222659.	+6226.0	2183	9.2	230453.	+6253.5
1914	9.5	210934.	+6229.8	2004	7.2	215147.	+6234.4	2094	9.1	222735.	+6239.3	2184	9.3	230455.	+6222.4
1915	8.7	211018.	+6217.1	2005	9.5	215202.	+6243.5	2095	9.5	222736.	+6255.9	2185	9.2	230456.	+6203.6
1916	8.8	211147.	+6213.4	2006	8.5	215205.	+6212.4	2096	9.5	222744.	+6214.4	2186	9.5	230509.	+6236.3
1917	9.3	211212.	+6223.1	2007	5.7	215233.	+6255.8	2097	9.5	222916.	+6257.1	2187	9.5	230533.	+6254.9
1918	9.5	211239.	+6216.9	2008	9.5	215247.	+6200.1	2098	9.5	222947.	+6222.0	2188	9.4	230542.	+6228.9
1919	9.3	211340.	+6241.7	2009	9.3	215310.	+6233.8	2099	9.5	223143.	+6223.4	2189	9.5	230553.	+6244.1
1920	9.5	211405.	+6210.5	2010	7.0	215438.	+6200.1	2100	8.2	223152.	+6259.5	2190	9.2	230601.	+6212.6
1921	8.7	211409.	+6218.9	2011	9.5	215452.	+6213.2	2101	9.5	223156.	+6217.6	2191	9.5	230604.	+6210.8
1922	9.3	211434.	+6235.6	2012	8.8	215453.	+6234.2	2102	5.3	223331.	+6249.7	2192	8.5	230619.	+6220.6
1923	8.9	211444.	+6230.7	2013	8.8	215457.	+6203.8	2103	9.1	223343.	+6255.9	2193	8.5	230630.	+6211.4
1924	9.1	211512.	+6256.3	2014	8.7	215531.	+6233.8	2104	8.2	223448.	+6249.0	2194	9.3	230638.	+6229.2
1925	9.5	211519.	+6217.4	2015	9.5	215625.	+6214.7	2105	9.2	223554.	+6221.5	2195	9.3	230650.	+6221.8
1926	9.0	211618.	+6205.9	2016	8.9	215632.	+6207.9	2106	9.5	223613.	+6217.0	2196	9.3	230704.	+6251.2
1927	8.5	211711.	+6201.6	2017	9.2	215654.	+6256.8	2107	9.3	223649.	+6249.4	2197	9.5	230718.	+6220.6
1928	9.5	211820.	+6252.9	2018	9.2	215713.	+6248.9	2108	9.2	223714.	+6249.4	2198	9.5	230744.	+6244.6
1929	9.5	211821.	+6221.8	2019	9.3	215715.	+6244.9	2109	9.5	223741.	+6211.2	2199	8.4	230749.	+6226.9
1930	8.3	211824.	+6231.7	2020	9.3	215811.	+6223.6	2110	9.2	223958.	+6246.4	2200	9.5	230811.	+6248.2
1931	9.4	211855.	+6239.2	2021	9.5	215811.	+6214.7	2111	9.2	224020.	+6226.5	2201	9.5	230825.	+6214.8
1932	9.5	211919.	+6212.9	2022	8.8	215912.	+6252.5	2112	9.5	224117.	+6244.7	2202	9.3	230834.	+6246.1
1933	9.0	211953.	+6238.4	2023	8.7	215914.	+6249.2	2113	9.2	224227.	+6237.4	2203	9.4	230840.	+6217.3
1934	9.5	212024.	+6201.1	2024	9.3	215920.	+6234.6	2114	9.3	224234.	+6206.0	2204	8.5	230906.	+6206.0
1935	7.3	212054.	+6222.5	2025	9.1	215921.	+6248.4	2115	6.0	224317.	+6210.2	2205	9.2	230928.	+6251.5
1936	9.3	212055.	+6256.1	2026	9.5	215923.	+6237.6	2116	8.9	224328.	+6223.0	2206	9.5	231001.	+6222.3
1937	9.5	212122.	+6254.8	2027	8.9	215929.	+6256.2	2117	8.5	224352.	+6257.1	2207	9.5	231023.	+6256.1
1938	9.5	212143.	+6215.9	2028	5.9	215936.	+6233.6	2118	9.1	224407.	+6209.5	2208	9.2	231058.	+6220.4
1939	9.3	212200.	+6207.1	2029	6.0	220037.	+6203.4	2119	9.4	224447.	+6242.2	2209	8.5	231131.	+6211.1
1940	8.5	212214.	+6245.6	2030	9.0	220047.	+6222.4	2120	9.5	224523.	+6249.1	2210	8.5	231122.	+6241.6
1941	9.5	212245.	+6258.4	2031	9.5	220054.	+6200.5	2121	6.5	224559.	+6211.9	2211	9.5	231127.	+6232.8
1942	7.0	212329.	+6256.6	2032	8.0	220058.	+6253.2	2122	9.5	224627.	+6237.5	2212	9.5	231153.	+6220.1
1943	9.5	212330.	+6244.1	2033	9.5	220227.	+6253.4	2123	9.3	224630.	+6201.4	2213	9.5	231163.	+6241.6
1944	8.0	212341.	+6226.8	2034	9.3	220247.	+6255.7	2124	9.3	224719.	+6225.8	2214	9.5	231321.	+6208.3
1945	9.3	212349.	+6227.1	2035	9.5	220248.	+6210.3	2125	8.8	224719.	+6239.3	2215	9.3	231344.	+6249.1
1946	8.5	212425.	+6243.6	2036	9.4	220251.	+6212.5	2126	9.3	224759.	+6240.2	2216	9.5	231416.	+6256.9
1947	9.5	212432.	+6250.1	2037	9.0	220307.	+6258.4	2127	9.5	224816.	+6238.7	2217	9.5	231422.	+6232.8
1948	9.5	212555.	+6220.4	2038	9.3	220357.	+6248.9	2128	9.5	224826.	+6232.8	2218	7.8	231520.	+6201.8
1949	9.5	212622.	+6245.1	2039	8.0	220359.	+6201.3	2129	9.5	224852.	+6249.3	2219	9.5	231524.	+6255.9
1950	9.2	212623.	+6252.7	2040	9.3	220424.	+6216.3	2130	8.9	224943.	+6223.2	2220	9.5	231533.	+6252.4
1951	9.5	212630.	+6207.1	2041	9.5	220513.	+6220.0	2131	9.3	224952.	+6231.8	2221	9.5	231540.	+6212.6
1952	9.5	212812.	+6217.4	2042	8.9	220601.	+6250.1	2132	9.4	225001.	+6234.2	2222	9.3	231628.	+6250.9
1953	8.8	212901.	+6227.1	2043	9.5	220617.	+6257.3	2133	9.5	225015.	+6203.8	2223	8.2	231719.	+6201.3
1954	9.1	212905.	+6224.4	2044	9.0	220630.	+6234.2	2134	8.6	225017.	+6240.7	2224	9.5	231822.	+6221.4
1955	9.0	212920.	+6205.3	2045	8.0	220631.	+6241.6	2135	9.5	225017.	+6206.8	2225	9.0	231826.	+6226.3
1956	9.3	212954.	+6245.1	2046	9.2	220722.	+6259.9	2136	7.5	225054.	+6204.9	2226	9.5	231912.	+6218.1
1957	8.6	213136.	+6210.9	2047	7.7	220735.	+6246.1	2137	9.0	225055.	+6228.1	2227	9.5	231954.	+6212.4
1958	9.5	213259.	+6203.6	2048	6.5	220751.	+6233.2	2138	9.5	225102.	+6232.2	2228	9.5	232007.	+6232.8
1959	8.5	213335.	+6234.3	2049	9.1	220819.	+6217.9	2139	8.5	225124.	+6214.5	2229	9.5	232020.	+6212.6
1960	8.9	213414.	+6254.9	2050	9.4	220833.	+6230.8	2140	9.4	225137.	+6248.5	2230	9.4	232027.	+6233.9
1961	9.0	213523.	+6223.5	2051	9.4	220833.	+6200.2	2141	9.5	225144.	+6229.3	2231	9.5	232029.	+6226.2
1962	9.3	213631.	+6224.2	2052	9.5	220855.	+6257.9	2142	8.8	225226.	+6234.8	2232	9.4	232118.	+6226.3
1963	8.9	213652.	+6228.4	2053	7.0	220916.	+6226.3	2143	9.5	225233.	+6236.1	2233	8.0	232133.	+6213.3
1964	8.9	213707.	+6217.9	2054	9.5	220941.	+6210.6	2144	9.5	225254.	+6230.1	2234	7.9	232149.	+6235.8
1965	9.5	213711.	+6210.5	2055	9.0	220950.	+6222.8	2145	9.4	225259.	+6234.1	2235	9.3	232200.	+6213.6
1966	8.8	213728.	+6214.4	2056	7.5	221159.	+6259.3	2146	6.8	225259.	+6255.8	2236	8.5	232225.	+6221.0
1967	9.5	213806.	+6212.2	2057	9.5	221236.	+6214.3	2147	7.7	225301.	+6218.5	2237	9.5	232304.	+6213.5
1968	9.3	213811.	+6240.8	2058	9.5	221320.	+6217.0	2148	9.5	225303.	+6222.8	2238	9.5	232338.	+6216.5
1969	8.3	213835.	+6240.7	2059	6.0	221330.	+6203.9	2149	9.5	225324.	+6248.7	2239	9.5	232341.	+6235.5
1970	9.5	213843.	+6217.8	2060	8.5	221345.	+6229.8	2150	9.2	225333.	+6203.9	2240	9.5	232353.	+6213.5
1971	9.0	213903.	+6230.1	2061	8.4	221348.	+6229.8	2151	9.1	225336.	+6201.3	2241	9.5	232443.	+6256.2
1972	9.3	213944.	+6235.0	2062	9.4	221356.	+6201.0	2152	8.8	225357.	+6200.0	2242	8.9	232521.	+6236.3
1973	8.2	213950.	+6206.4	2063	9.5	221357.	+6257.4	2153	9.4	225409.	+6255.8	2243	9.0	232531.	+6245.7
1974	9.3	214005.	+6202.0	2064	9.0	221412.	+6230.3	2154	9.2	225450.	+6244.7	2244	7.3	232612.	+6220.6
1975	8.0	214006.	+6256.5	2065	9.2	221422.	+6235.9	2155	9.4	225505.	+6206.9	2245	8.0	232613.	+6229.0
1976	8.0	214021.	+6204.4	2066	9.5	221432.	+6231.0	2156	8.2	225526.	+6210.5	2246	8.0	232629.	+6220.0
1977	9.0	214045.	+6207.1	2067	9.1	221617.	+6237.4	2157	7.5	225548.	+6230.3	2247	8.0	232631.	+6217.1
1978	9.0	214049.	+6236.0	2068	8.1	221623.	+6228.8	2158	9.4	225622.	+6201.9	2248	9.5	232705.	+6246.1
1979	9.5	214251.	+6206.4	2069	9.1	221630.	+6245.9	2159	9.5	225634.	+6215.0	2249	9.5	232716.	+6239.2
1980	9.5	214402.	+6238.0	2070	7.5	221706.	+6224.5	2160	7.0	225653.	+6232.8	2250	9.2	232746.	+6212.2
1981	9.5	214417.	+6222.3	2071	9.2	221745.	+6250.6	2161	7.8	225717.	+6255.5	2251	8.8	232804.	+6251.5
1982	9.5	214524.	+6241.5	2072	9.4	221833.	+6209.5	2162	8.3	225					

+62 2266 23h33m

+61 253 1h12m

2266	9.5	233301.	+6235.9	2356	6.5	235601.	+6250.3	76	9.3	01805.	+6141.8	165	6.8	03633.	+6144.1
2267	9.5	233303.	+6209.5	2357	9.5	235615.	+6234.2	77	9.2	01821.	+6157.7	166	9.5	03639.	+6158.1
2268	6.7	233306.	+6255.4	2358	9.5	235629.	+6213.9	78	9.4	01824.	+6118.4	167	9.5	03801.	+6126.6
2269	8.7	233318.	+6256.5	2359	9.5	235708.	+6201.2	79	9.4	01824.	+6127.5	168	8.2	03813.	+6145.7
2270	9.0	233355.	+6208.8	2360	9.5	235738.	+6235.2	80	8.5	01826.	+6134.1	169	9.2	03817.	+6101.7
2271	9.1	233359.	+6209.0	2361	9.5	235739.	+6234.5	81	9.5	01828.	+6125.7	170	9.5	03837.	+6116.2
2272	9.5	233410.	+6253.0	2362	9.5	235756.	+6259.0	82	9.3	01843.	+6155.6	171	9.4	03955.	+6109.0
2273	9.5	233417.	+6200.3	2363	7.2	235834.	+6252.1	83	9.4	01847.	+6154.7	172	9.5	03938.	+6144.5
2274	9.5	233450.	+6222.1	2364	8.9	235846.	+6235.1	84	9.5	01855.	+6138.0	173	9.5	04056.	+6127.5
2275	8.7	233513.	+6209.1	2365	9.5	235854.	+6250.4	85	9.5	01908.	+6110.6	174	9.5	04104.	+6130.4
2276	9.3	233519.	+6235.2	2366	9.5	235904.	+6212.0	86	8.8	01927.	+6155.9	175	9.1	04154.	+6135.4
2277	9.5	233535.	+6211.5	2367	9.0	235906.	+6224.7	87	9.0	01947.	+6128.2	176	9.5	04212.	+6145.9
2278	9.5	233537.	+6210.6	2368	9.5	235911.	+6250.5	88	9.2	01957.	+6123.0	177	9.5	04226.	+6136.4
2279	9.5	233609.	+6207.6	2369	9.5	235949.	+6252.1	89	9.5	02000.	+6102.8	178	6.2	04239.	+6100.9
2280	9.0	233614.	+6208.6	1	8.8	00002.	+6108.1	90	9.5	02028.	+6155.2	179	9.3	04233.	+6143.7
2281	9.5	233615.	+6208.0	2	8.6	00012.	+6134.9	90a	9.5	02034.	+6141.1	180	9.3	04567.	+6126.0
2282	9.5	233629.	+6237.4	3	9.5	00025.	+6159.8	91	9.5	02038.	+6151.4	181	9.5	04553.	+6152.7
2283	9.2	233631.	+6221.1	4	9.5	00037.	+6130.0	92	8.5	02044.	+6142.1	181a	9.5	04722.	+6128.5
2284	9.4	233649.	+6227.8	5	8.9	00050.	+6135.2	93	9.5	02111.	+6125.5	182	9.1	04742.	+6131.0
2285	9.5	233701.	+6228.0	6	9.2	00102.	+6133.4	94	7.7	02130.	+6115.6	183	9.5	04805.	+6104.9
2286	9.5	233703.	+6230.7	6a	9.5	00113.	+6143.0	95	9.4	02132.	+6156.1	184	9.3	04816.	+6142.3
2287	9.3	233711.	+6250.7	7	9.3	00133.	+6152.8	96	9.5	02133.	+6111.6	185	8.5	04838.	+6146.2
2288	9.5	233712.	+6222.0	8	9.2	00201.	+6151.2	97	9.5	02145.	+6101.7	186	9.0	04828.	+6157.6
2289	9.5	233742.	+6215.5	9	8.7	00211.	+6147.2	98	9.3	02209.	+6114.2	187	8.9	04929.	+6108.7
2290	9.5	233803.	+6238.3	10	9.5	00213.	+6158.2	99	9.5	02223.	+6150.2	188	9.3	04952.	+6170.1
2291	9.1	233821.	+6219.1	11	9.5	00242.	+6133.4	100	9.5	02223.	+6146.0	189	8.3	05026.	+6108.6
2292	9.5	233840.	+6237.9	12	9.1	00252.	+6107.6	101	7.5	02234.	+6133.1	190	9.4	05033.	+6110.6
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2294	7.2	233905.	+6230.1	14	9.2	00355.	+6102.1	103	9.5	02251.	+6133.4	192	9.2	05102.	+6152.1
2295	8.8	234000.	+6241.1	15	8.0	00521.	+6154.8	104	8.9	02309.	+6132.4	193	8.8	05214.	+6109.7
2296	8.0	234021.	+6225.0	16	6.7	00531.	+6113.7	105	8.8	02309.	+6137.7	194	9.4	05232.	+6142.2
2297	9.5	234025.	+6234.1	17	9.1	00642.	+6151.0	106	9.1	02330.	+6117.6	195	9.4	05326.	+6134.4
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2302	9.3	234203.	+6208.5	22	8.5	00854.	+6144.8	111	9.1	02449.	+6138.8	200	8.5	05507.	+6102.7
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2305	9.5	234235.	+6208.8	25	9.1	00904.	+6125.7	114	9.5	02523.	+6119.2	203	9.5	05612.	+6141.2
2306	9.3	234252.	+6219.7	26	9.5	00927.	+6118.1	115	8.0	02527.	+6159.1	204	9.5	05623.	+6135.4
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2308	9.4	234308.	+6244.0	28	9.5	00937.	+6118.3	117	9.4	02605.	+6149.8	206	6.5	05717.	+6158.6
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1386	9.2	134954.	+6104.8	1476	9.2	145722.	+6150.2	1566	9.2	160424.	+6102.7	1656	8.9	172019.	+6152.5
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1388	9.0	135139.	+6132.4	1478	8.9	145957.	+6150.8	1568	8.8	160524.	+6110.0	1658	7.0	172158.	+6107.7
1389	9.0	135228.	+6130.5	1479	9.5	150112.	+6138.0	1569	9.4	160616.	+6125.6	1659	9.2	172247.	+6157.9
1390	8.5	135329.	+6159.6	1480	9.5	150138.	+6128.1	1570	9.5	160834.	+6126.4	1660	8.8	172314.	+6132.4
1391	9.5	135335.	+6100.0	1481	9.3	150419.	+6113.3	1571	8.8	160924.	+6133.2	1661	9.5	172430.	+6109.4
1392	9.2	135401.	+6154.5	1482	9.4	150442.	+6114.8	1572	9.5	161008.	+6142.4	1662	9.0	172451.	+6131.9
1393	9.5	135412.	+6104.2	1483	9.5	150539.	+6101.1	1573	9.5	161016.	+6132.7	1663	8.9	172541.	+6101.2
1394	9.0	135428.	+6140.3	1484	8.3	150548.	+6121.2	1574	7.5	161243.	+6101.0	1664	9.3	172644.	+6110.0
1395	9.0	135444.	+6130.0	1485	9.0	150707.	+6115.1	1575	9.2	161302.	+6108.1	1665	9.2	172720.	+6137.9
1396	6.7	135517.	+6128.1	1486	9.5	150733.	+6148.7	1576	9.4	161329.	+6149.0	1666	8.7	172753.	+6144.6
1397	8.2	135519.	+6138.9	1487	9.2	150804.	+6146.3	1577	7.8	161400.	+6114.5	1667	8.5	172757.	+6111.8
1398	9.5	135601.	+6151.7	1488	9.5	150948.	+6111.4	1578	9.3	161409.	+6147.7	1668	9.5	172824.	+6112.7
1399	9.4	135613.	+6157.3	1489	9.2	150955.	+6119.9	1579	9.5	161420.	+6145.9	1669	8.0	173009.	+6148.1
1400	9.5	135724.	+6116.3	1490	9.1	151016.	+6128.3	1580	9.3	161501.	+6139.6	1670	9.4	173058.	+6102.5
1401	9.4	135749.	+6139.8	1491	9.5	151457.	+6154.6	1581	7.7	161525.	+6143.0	1671	9.5	173129.	+6158.5
1402	8.3	135937.	+6115.5	1492	9.0	151501.	+6106.0	1582	9.4	161635.	+6139.6	1672	9.4	173132.	+6151.1
1403	9.5	140000.	+6151.5	1493	9.5	151541.	+6102.1	1583	9.0	161704.	+6147.0	1673	9.3	173228.	+6138.8
1404	9.3	140324.	+6100.5	1494	9.5	151544.	+6128.2	1584	8.8	161717.	+6107.8	1674	8.7	173229.	+6139.1
1405	9.5	140358.	+6129.0	1495	6.8	151626.	+6153.1	1585	9.1	161742.	+6153.7	1675	8.5	173230.	+6148.6
1406	9.1	140443.	+6167.2	1496	9.0	151747.	+6148.2	1586	9.4	161810.	+6133.2	1676	9.5	173237.	+6109.4
1407	9.1	140518.	+6104.9	1497	9.5	151854.	+6106.0	1587	8.5	161819.	+6150.3	1677	9.1	173254.	+6108.3
1408	8.0	140640.	+6105.4	1498	9.0	151923.	+6113.9	1588	9.5	1					

*61 1692 17h39m

*61 2051 20h42m

1692	9.0	173920.	+6108.2	1782	9.0	184742.	+6147.2	1872	9.3	192917.	+6137.9	1962	8.9	195938.	+6105.9
1693	8.5	173951.	+6140.3	1783	8.3	184904.	+6148.7	1873	8.4	193013.	+6137.9	1963	9.1	195941.	+6144.8
1694	9.4	174021.	+6121.1	1784	9.3	185135.	+6128.7	1874	9.5	193018.	+6105.4	1964	8.5	195958.	+6132.1
1695	9.5	174028.	+6132.9	1785	9.3	185157.	+6154.0	1875	9.4	193024.	+6100.5	1965	9.3	200026.	+6146.3
1696	9.4	174108.	+6123.0	1786	9.5	185212.	+6153.5	1876	9.5	193125.	+6115.2	1966	9.3	200206.	+6139.2
1697	9.1	174136.	+6150.6	1787	9.2	185325.	+6131.4	1877	7.8	193131.	+6143.2	1967	9.1	200228.	+6135.7
1698	9.2	174144.	+6137.8	1788	9.5	185348.	+6141.2	1878	9.5	193148.	+6101.4	1968	9.1	200301.	+6141.9
1699	9.5	174444.	+6142.5	1789	9.1	185356.	+6116.7	1879	9.5	193235.	+6103.1	1969	9.3	200307.	+6117.4
1700	9.4	174450.	+6114.7	1790	9.2	185449.	+6149.7	1880	9.5	193248.	+6130.0	1970	5.0	200314.	+6133.6
1701	9.5	174600.	+6118.5	1791	9.3	185452.	+6132.4	1881	9.4	193311.	+6141.3	1971	9.5	200323.	+6123.2
1702	9.2	174616.	+6130.6	1792	9.3	185454.	+6117.7	1882	9.0	193333.	+6119.2	1972	8.5	200355.	+6103.0
1703	9.4	174832.	+6151.1	1793	9.5	185603.	+6111.8	1883	9.0	193348.	+6142.2	1973	9.3	200436.	+6155.1
1704	8.8	175021.	+6127.2	1794	9.4	185632.	+6115.3	1884	9.5	193517.	+6116.9	1974	8.3	200459.	+6117.4
1705	9.3	175032.	+6149.3	1795	9.5	185636.	+6143.1	1885	9.5	193633.	+6154.5	1975	6.8	200638.	+6139.0
1706	9.5	175150.	+6149.3	1796	9.5	185636.	+6149.7	1886	9.5	193738.	+6104.6	1976	9.3	200651.	+6154.4
1707	7.3	175201.	+6104.6	1797	9.5	185701.	+6129.8	1887	9.5	193750.	+6135.0	1977	9.4	200710.	+6149.8
1708	9.5	175222.	+6114.9	1798	9.5	185719.	+6129.1	1888	8.7	193750.	+6140.5	1978	8.7	200734.	+6102.6
1709	9.5	175357.	+6100.1	1799	8.8	185751.	+6128.5	1889	8.6	193856.	+6134.6	1979	9.5	200805.	+6145.3
1710	6.8	175413.	+6125.2	1800	9.5	185759.	+6156.0	1890	9.4	193913.	+6107.2	1980	9.4	200829.	+6128.7
1711	9.4	175503.	+6127.2	1801	8.5	185759.	+6135.6	1891	9.5	193930.	+6110.6	1981	9.1	200832.	+6135.0
1712	9.3	175535.	+6102.6	1802	8.8	185815.	+6127.9	1892	9.4	193931.	+6101.9	1982	8.7	200848.	+6112.4
1713	9.5	175556.	+6136.1	1803	8.0	185825.	+6112.8	1893	9.2	193932.	+6118.1	1983	5.8	200912.	+6139.0
1714	9.5	175654.	+6115.4	1804	9.5	185934.	+6122.5	1894	9.5	193951.	+6143.7	1984	9.3	200925.	+6119.9
1715	9.5	175804.	+6137.5	1805	9.1	185937.	+6131.7	1895	9.4	194020.	+6119.0	1985	9.1	200957.	+6117.3
1716	9.4	175807.	+6157.2	1806	8.9	190003.	+6133.6	1896	8.8	194022.	+6123.8	1986	9.3	201008.	+6145.8
1717	9.5	175951.	+6144.9	1807	9.0	190057.	+6116.2	1897	8.9	194102.	+6115.8	1987	9.5	201023.	+6148.8
1718	8.1	180235.	+6133.4	1808	7.0	190156.	+6152.9	1898	9.5	194111.	+6128.8	1988	9.1	201057.	+6126.1
1719	9.2	180315.	+6154.7	1809	9.5	190215.	+6125.5	1899	9.5	194152.	+6131.5	1989	9.5	201058.	+6110.0
1720	8.5	180323.	+6152.7	1810	9.5	190227.	+6132.4	1900	8.4	194209.	+6131.5	1990	9.5	201125.	+6136.0
1721	8.6	180323.	+6124.9	1811	8.8	190239.	+6141.8	1901	9.4	194217.	+6113.4	1991	9.1	201135.	+6150.8
1722	9.0	180537.	+6113.9	1812	9.5	190318.	+6110.0	1902	9.3	194225.	+6150.4	1992	8.9	201305.	+6100.7
1723	9.5	180544.	+6113.0	1813	9.4	190405.	+6140.5	1903	9.4	194242.	+6145.8	1993	8.8	201320.	+6102.6
1724	8.6	180557.	+6112.9	1814	9.4	190406.	+6135.1	1904	9.5	194307.	+6119.5	1994	9.3	201432.	+6141.0
1725	9.2	180754.	+6155.0	1815	9.5	190428.	+6116.1	1905	9.5	194339.	+6131.5	1995	9.5	201450.	+6104.7
1726	8.8	180813.	+6158.0	1816	9.3	190452.	+6102.5	1906	8.8	194434.	+6137.3	1996	8.2	201456.	+6141.4
1727	7.0	180832.	+6151.2	1817	7.7	190522.	+6104.2	1907	9.0	194511.	+6105.0	1997	9.4	201510.	+6133.6
1728	8.0	180912.	+6109.0	1818	9.2	190535.	+6106.3	1908	9.5	194517.	+6106.7	1998	9.4	201534.	+6121.8
1729	9.1	180931.	+6157.0	1819	7.4	190612.	+6127.1	1909	9.2	194521.	+6104.6	1999	9.4	201700.	+6141.4
1730	8.9	180953.	+6128.4	1820	7.5	190616.	+6122.1	1910	9.0	194521.	+6102.6	2000	5.8	201712.	+6141.8
1731	9.4	181017.	+6128.7	1821	7.5	190810.	+6142.5	1911	9.3	194538.	+6113.0	2001	9.2	201719.	+6151.5
1732	9.5	181113.	+6112.0	1822	8.8	190817.	+6133.3	1912	7.4	194559.	+6102.7	2002	9.1	201734.	+6142.9
1733	9.2	181215.	+6156.0	1823	9.5	190851.	+6105.1	1913	9.5	194616.	+6121.5	2003	9.5	201755.	+6116.2
1734	9.0	181324.	+6157.0	1824	9.5	190937.	+6133.1	1914	9.5	194619.	+6131.5	2004	9.4	201803.	+6103.9
1735	8.9	181335.	+6130.1	1825	9.5	190939.	+6126.7	1915	9.1	194629.	+6144.1	2005	9.5	201816.	+6110.1
1736	9.5	181435.	+6129.2	1826	9.1	191017.	+6100.1	1916	9.5	194632.	+6138.1	2006	8.9	202024.	+6106.9
1737	9.4	181515.	+6115.4	1827	9.0	191019.	+6150.2	1917	9.5	194649.	+6138.1	2007	8.3	202102.	+6148.8
1738	9.5	181533.	+6150.7	1828	8.5	191056.	+6122.6	1918	9.5	194650.	+6107.7	2008	8.9	202129.	+6101.7
1739	9.3	181703.	+6119.3	1829	9.3	191117.	+6128.0	1919	9.5	194659.	+6119.2	2009	8.6	202132.	+6130.1
1740	9.4	181726.	+6135.5	1830	9.5	191157.	+6108.5	1920	9.5	194721.	+6140.2	2010	9.1	202218.	+6155.1
1741	8.8	181846.	+6122.3	1831	7.5	191208.	+6155.5	1921	9.4	194743.	+6147.1	2011	8.9	202303.	+6141.4
1742	9.4	181920.	+6132.0	1832	8.8	191236.	+6146.2	1922	9.4	194744.	+6149.4	2012	8.2	202317.	+6106.4
1743	9.0	182105.	+6111.5	1833	9.5	191327.	+6148.7	1923	9.4	194757.	+6158.7	2013	8.4	202416.	+6103.3
1744	9.5	182112.	+6149.8	1834	9.5	191335.	+6146.7	1924	9.0	194802.	+6134.5	2014	9.4	202426.	+6155.9
1745	9.0	182131.	+6116.3	1835	8.0	191346.	+6118.5	1925	9.4	194817.	+6104.3	2015	9.5	202431.	+6134.0
1746	8.6	182143.	+6134.6	1836	9.5	191346.	+6140.7	1926	9.4	194826.	+6125.8	2016	9.5	202601.	+6140.7
1747	9.5	182428.	+6125.7	1837	9.3	191355.	+6137.2	1927	9.1	194837.	+6123.9	2017	9.4	202604.	+6148.8
1748	9.5	182450.	+6104.3	1838	9.5	191436.	+6104.6	1928	9.3	194922.	+6126.0	2018	9.0	202605.	+6120.1
1749	9.4	182451.	+6154.2	1839	8.0	191512.	+6142.7	1929	9.5	194941.	+6125.6	2019	9.2	202615.	+6121.2
1750	8.3	182521.	+6117.3	1840	9.5	191547.	+6108.1	1930	9.3	195004.	+6142.4	2020	9.4	202621.	+6135.3
1751	8.9	182624.	+6127.7	1841	8.4	191552.	+6104.6	1931	9.3	195004.	+6123.7	2021	9.2	202623.	+6123.4
1752	9.5	182907.	+6104.5	1842	8.0	191609.	+6137.4	1932	8.2	195010.	+6135.9	2022	9.3	202728.	+6116.1
1753	8.6	183010.	+6120.8	1843	8.9	191639.	+6147.2	1933	9.5	195012.	+6151.7	2023	9.4	202740.	+6106.6
1754	8.3	183019.	+6140.4	1844	9.5	191645.	+6131.4	1934	9.5	195027.	+6159.7	2024	9.4	202806.	+6157.1
1755	9.2	183037.	+6134.5	1845	9.5	191818.	+6113.3	1935	9.4	195108.	+6149.2	2025	9.5	202838.	+6147.3
1756	9.5	183153.	+6114.6	1846	8.9	191819.	+6107.7	1936	9.5	195132.	+6145.0	2026	7.8	202905.	+6158.1
1757	9.5	183255.	+6150.1	1847	9.4	191844.	+6159.3	1937	9.5	195153.	+6153.7	2027	8.8	203033.	+6153.9
1758	9.3	183433.	+6136.3	1848	8.5	191916.	+6129.0	1938	9.5	195153.	+6112.5	2028	7.3	203112.	+6115.8
1759	9.4	183502.	+6111.0	1849	9.5	191923.	+6153.0	1939	8.4	195201.	+6118.6	2029	9.5	203134.	+6105.9
1760	9.5	183507.	+6131.6	1850	9.5	192005.	+6100.4	1940	9.1	195205.	+6155.0	2030	8.8	203206.	+6159.2
1761	9.5	183519.	+6132.1	1851	9.5	192055.	+6106.3	1941	8.6	195215.	+6111.1	2031	8.5	203225.	+6131.6
1762	8.5	183523.	+6134.5	1852	9.0	192110.	+6159.4	1942	9.4	195217.	+6102.5	2032	8.0	203231.	+6158.1
1763	9.2	183740.	+6109.0	1853	9.3	192145.	+6112.2	1943	9.3	195245.	+6140.7	2033	8.6	203250.	+6101.5
1764	8.9	183816.	+6136.9	1854	9.0	192220.	+6155.5	1944	9.0	195352.	+6139.8	2034	9.4	203301.	+6105.5
1765	9.3	183859.	+6113.9	1855	9.5	192233.	+6112.2	1945	9.4	195408.	+6156.5	2035	9.4	203328.	+6140.9
1766	9.4	183923.	+6137.1	1856	9.5	192253.	+6117.5	1946	9.5	195409.	+6154.0	2036	8.2	203336.	+6118.5
1767	9.0	183925.	+6133.8	1857	9.5	192305.	+6123.5	1947	9.4	195425.	+6132.3	2037	8.1	203340.	+6130.5
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2462	8.2	232415.	+6129.6	2552	9.5	234544.	+6111.4	47	8.8	01606.7	+6041.1	136	8.5	04820.3	+6046.8
2463	9.2	232419.	+6131.3	2553	9.0	234550.	+6150.5	48	9.3	01735.9	+6000.5	137	7.0	04834.6	+6038.4
2464	9.5	232427.	+6100.1	2554	9.5	234557.	+6112.9	49	8.9	01813.8	+6014.1	138	9.5	04921.5	+6046.6
2465	9.0	232442.	+6129.5	2555	9.5	234557.	+6109.2	50	8.8	01819.2	+6044.8	139	9.0	05037.4	+6055.5
2466	8.0	232443.	+6118.0	2556	9.5	234603.	+6109.9	51	9.3	01833.4	+6037.4	140	9.2	05110.9	+6021.9
2467	9.5	232518.	+6131.8	2557	9.2	234627.	+6144.4	52	9.0	01900.3	+6021.9	141	9.3	05138.2	+6001.4
2468	9.3	232555.	+6146.0	2558	9.2	234628.	+6136.4	53	9.4	01903.7	+6013.6	142	9.2	05231.2	+6000.8
2469	8.8	232600.	+6128.4	2559	9.2	234631.	+6137.4	54	9.4	01907.2	+6024.1	143	8.8	05232.9	+6015.7
2470	9.5	232608.	+6103.5	2560	9.5	234648.	+6133.5	55	9.4	01921.0	+6028.8	144	9.5	05301.4	+6025.0
2471	8.3	232617.	+6105.1	2561	9.2	234713.	+6106.6	56	9.1	01933.3	+6035.4	145	9.5	05336.3	+6054.0
2472	9.3	232619.	+6124.9	2562	6.8	234730.	+6102.1	57	9.5	02100.8	+6007.2	146	8.5	05342.9	+6048.4
2473	9.3	232713.	+6115.5	2563	9.4	234736.	+6114.5	58	9.5	02105.7	+6012.1	147	9.4	05346.2	+6000.6
2474	9.1	232724.	+6102.1	2564	9.5	234738.	+6120.0	59	9.4	02125.2	+6003.2	148	9.4	05346.4	+6038.4
2475	9.5	232737.	+6104.8	2565	9.4	234744.	+6116.0	60	9.0	02148.1	+6022.7	149	9.4	05353.2	+6005.2
2476	9.3	232811.	+6137.8	2566	9.5	234826.	+6101.4	61	9.3	02239.1	+6023.4	150	9.4	05358.3	+6059.8
2477	9.4	232815.	+6138.7	2567	9.4	234907.	+6118.1	62	9.5	02242.2	+6053.4	151	9.2	05401.8	+6019.1
2478	9.2	232825.	+6141.0	2568	9.4	234926.	+6123.0	63	8.9	02252.8	+6037.9	152	9.1	05402.0	+6012.2
2479	9.0	232832.	+6123.9	2569	9.0	234938.	+6112.7	64	9.3	02336.0	+6020.5	153	8.3	05409.0	+6059.7
2480	9.4	232842.	+6122.0	2570	9.2	234949.	+6141.3	65	9.4	02410.9	+6003.0	154	9.2	05417.0	+6021.4
2481	9.4	232846.	+6129.8	2571	9.0	234950.	+6116.2	66	9.5	02514.5	+6036.5	155	9.5	05425.9	+6000.1
2482	9.3	232931.	+6114.1	2572	9.5	235015.	+6154.0	67	9.4	02517.0	+6036.0	156	9.1	05439.3	+6025.6
2483	9.4	232935.	+6118.5	2573	7.3	235017.	+6111.7	68	9.5	02520.0	+6030.8	157	6.5	05444.5	+6018.1
2484	9.0	232941.	+6137.6	2574	9.0	235039.	+6125.4	69	9.4	02545.9	+6039.0	158	6.0	05525.9	+6048.8
2485	9.4	232956.	+6158.1	2575	9.0	235056.	+6148.8	70	9.2	02702.0	+6057.5	159	9.5	05555.7	+6024.5
2486	9.1	233019.	+6130.8	2576	9.4	235119.	+6143.6	71	8.5	02736.4	+6040.3	160	9.0	05556.8	+6056.5
2487	9.3	233029.	+6137.7	2577	9.5	235123.	+6155.2	72	9.5	02831.3	+6019.1	161	9.5	05618.4	+6055.2
2488	9.3	233127.	+6109.7</												

+60 175 1h01m

+60 534 2h28m

175 9.3 10151.6 +6018.9	265 8.7 12354.9 +6048.6	355 9.5 13934.3 +6047.8	445 8.0 20100.1 +5031.4
176 9.3 10153.3 +6037.5	266 9.5 12420.9 +6015.0	356 9.5 13934.6 +6001.2	446 9.5 20116.1 +5047.8
177 9.1 10240.5 +6023.4	267 9.5 12433.7 +6025.8	357 8.6 13938.0 +6017.2	447 8.6 20120.2 +6001.2
178 9.5 10251.9 +6057.4	268 9.5 12513.5 +6021.6	358 9.0 13939.5 +6019.0	448 9.0 20139.0 +6050.5
179 9.0 10257.2 +6025.0	269 8.7 12523.1 +6002.4	359 9.4 14044.0 +6053.3	449 9.4 20224.6 +6020.5
180 9.4 10305.5 +6032.9	270 9.1 12524.5 +6001.0	360 9.5 14048.2 +6031.3	450 9.5 20231.9 +6030.8
181 9.4 10306.1 +6058.3	271 9.1 12527.5 +6002.4	361 9.5 14050.7 +6021.6	451 9.4 20305.6 +6024.1
182 9.5 10317.2 +6038.3	272 9.3 12528.8 +6059.2	362 9.1 14054.6 +6037.4	452 9.4 20308.7 +6018.3
183 9.5 10322.5 +6032.4	273 8.5 12555.3 +6043.8	363 9.5 14101.0 +6055.2	453 9.5 20420.0 +6049.2
184 9.5 10352.9 +6002.2	274 9.5 12558.0 +6031.7	364 9.2 14107.3 +6048.2	454 9.3 20511.5 +6055.5
185 9.4 10355.7 +6038.4	275 9.5 12559.0 +6032.1	365 9.5 14118.5 +6021.4	455 9.3 20516.4 +6038.0
186 6.6 10358.7 +6056.1	276 9.5 12600.0 +6032.4	366 8.6 14134.1 +6012.3	456 8.1 20548.0 +6002.8
187 9.5 10410.5 +6009.4	277 9.5 12632.2 +6005.1	367 9.5 14139.0 +6037.8	457 7.5 20647.1 +6040.3
188 7.2 10455.4 +6006.9	278 9.0 12632.8 +6005.8	368 9.5 14221.5 +6006.6	458 9.4 20751.0 +6004.3
189 9.2 10459.0 +6006.0	279 8.5 12645.8 +6014.1	369 9.2 14258.0 +6007.8	459 9.0 20805.4 +6014.8
190 9.2 10505.8 +6011.3	280 8.9 12646.7 +6001.1	370 9.5 14301.6 +6033.5	460 9.5 20818.1 +6016.8
191 9.4 10519.1 +6033.9	281 8.5 12655.8 +6031.7	371 9.4 14310.4 +6025.2	461 8.9 20818.6 +6028.1
192 9.2 10521.3 +6006.9	282 9.5 12657.0 +6041.4	372 8.3 14333.3 +6016.0	462 8.8 20818.6 +6058.4
193 7.5 10535.1 +6010.4	283 9.5 12702.1 +6003.5	373 9.4 14333.5 +6030.9	463 9.2 20900.6 +6050.3
194 8.6 10600.7 +6005.6	284 9.5 12714.3 +6005.2	374 9.5 14358.6 +6004.9	464 9.5 20916.5 +6049.1
195 9.5 10628.0 +6024.9	285 9.5 12717.7 +6040.8	375 9.5 14400.0 +6023.4	465 8.9 21124.1 +6020.7
196 9.5 10654.2 +6015.9	286 9.5 12736.2 +6017.2	376 9.1 14458.9 +6057.9	466 9.5 21126.1 +6000.5
197 9.5 10739.7 +6035.5	287 9.0 12821.8 +6018.3	377 9.5 14507.0 +6041.2	467 9.1 21155.7 +6002.1
198 8.6 10748.8 +6053.4	288 9.5 12831.8 +6032.0	378 9.5 14514.1 +6035.2	468 9.5 21209.5 +6022.2
199 9.4 10806.9 +6030.8	289 9.5 12834.5 +6036.7	379 9.5 14548.7 +6031.3	469 9.4 21227.1 +6029.5
200 9.1 10827.4 +6058.4	290 9.5 12844.3 +6059.4	380 8.8 14554.8 +6057.7	470 9.4 21231.6 +6009.5
201 8.0 10849.0 +6057.5	291 9.4 12854.2 +6045.6	381 9.5 14601.1 +6007.0	471 8.3 21245.0 +6014.5
202 9.4 10931.1 +6026.6	292 7.7 12854.7 +6005.0	382 9.5 14610.0 +6014.5	472 6.6 21452.1 +6052.4
203 9.0 10935.9 +6048.3	293 9.5 12902.8 +6057.6	383 7.3 14615.7 +6034.0	473 9.3 21458.4 +6023.1
204 9.4 10945.1 +6006.5	294 9.5 12910.5 +6036.1	384 9.5 14660.4 +6002.9	474 9.5 21547.2 +6020.5
205 8.6 10958.5 +6055.7	295 8.5 12922.4 +6026.8	385 9.5 14660.5 +6006.9	475 9.0 21604.3 +6021.5
206 8.8 11021.7 +6048.8	296 7.2 12922.6 +6019.9	386 8.0 14667.9 +6031.5	476 9.1 21608.0 +6015.2
207 9.0 11070.6 +6029.1	297 8.8 12923.2 +6053.3	387 9.3 14654.9 +6031.9	477 9.4 21616.2 +6040.0
208 9.4 11118.2 +6039.8	298 9.5 12944.1 +6031.6	388 9.5 14711.2 +6007.8	478 9.5 21640.6 +6003.2
209 7.3 11135.7 +6011.3	299 8.6 13008.2 +6009.7	389 8.8 14712.0 +6025.1	479 9.5 21654.1 +6049.2
210 9.5 11138.2 +6003.5	300 9.5 13041.7 +6003.2	390 9.2 14717.2 +6033.1	480 9.5 21654.6 +6020.5
211 8.7 11138.7 +6022.4	301 9.2 13044.4 +6053.5	391 9.5 14726.4 +6047.1	481 9.0 21716.7 +6049.2
212 9.5 11145.8 +6002.5	302 9.3 13056.2 +6028.3	392 7.8 14746.9 +6028.6	482 9.5 21803.0 +6051.1
213 8.3 11220.8 +6030.1	303 9.5 13137.0 +6041.2	393 9.5 14747.0 +6051.5	483 9.0 21807.2 +6052.0
214 8.3 11231.9 +6045.1	304 9.5 13148.2 +6014.3	394 9.5 14748.0 +6041.1	484 9.3 21820.8 +6017.0
215 9.5 11235.7 +6012.3	305 9.0 13154.1 +6021.1	395 8.8 14751.6 +6058.9	485 8.8 21846.2 +6029.2
216 9.5 11306.5 +6016.1	306 9.5 13154.5 +6030.6	396 8.9 14753.2 +6005.8	486 9.4 21846.9 +6000.3
217 9.2 11306.7 +6040.2	307 9.5 13155.0 +6035.2	397 9.4 14805.7 +6000.5	487 8.1 21851.9 +6007.5
218 9.5 11320.6 +6053.3	308 6.5 13215.4 +6017.9	398 6.6 14819.1 +6059.3	488 8.5 21856.2 +6001.0
219 9.0 11334.4 +6025.0	309 9.5 13219.1 +6058.2	399 9.1 14819.3 +6014.2	489 9.0 21857.0 +6038.4
220 9.2 11340.4 +6000.7	310 9.4 13225.1 +6040.0	400 7.5 14824.8 +6050.0	490 8.7 21901.0 +6038.4
221 8.5 11352.2 +6057.7	311 9.5 13258.7 +6006.4	401 9.1 14835.7 +6041.1	491 9.1 21902.0 +6006.2
222 9.3 11401.8 +6008.5	312 6.3 13308.0 +6041.2	402 9.5 14836.4 +6001.4	492 9.2 21902.0 +6021.9
223 9.4 11404.1 +6054.7	313 9.1 13313.5 +6012.3	403 8.2 14852.8 +6050.0	493 8.4 21959.6 +6031.5
224 9.5 11416.2 +6038.0	314 9.3 13321.9 +6012.0	404 9.0 14906.1 +6025.6	494 9.5 22006.1 +6022.0
225 9.1 11427.1 +6003.7	315 9.5 13324.7 +6002.8	405 9.5 14914.9 +6023.1	495 8.0 22014.2 +6003.6
226 8.8 11427.4 +6008.3	316 9.5 13328.5 +6009.3	406 9.4 14926.6 +6014.0	496 9.5 22059.5 +6053.8
227 9.3 11434.1 +6040.2	317 9.3 13327.5 +6048.6	407 9.4 14930.7 +6013.5	497 8.6 22100.2 +6053.4
228 9.2 11444.2 +6010.3	318 8.5 13413.3 +6035.2	408 9.5 15005.5 +6051.3	498 9.5 22114.6 +6054.3
229 9.2 11516.0 +6022.9	319 9.5 13417.2 +6016.1	409 9.5 15019.5 +6040.3	499 9.5 22118.9 +6054.3
230 9.1 11527.8 +6013.2	320 9.5 13422.7 +6025.7	410 9.4 15023.5 +6012.4	500 9.5 22129.0 +6043.4
231 9.3 11527.8 +6008.5	321 8.6 13429.8 +6033.8	411 9.0 15033.8 +6005.8	501 9.2 22138.2 +6049.7
232 9.4 11541.2 +6002.5	322 9.4 13509.1 +6009.6	412 8.7 15041.4 +6018.2	502 7.5 22146.3 +6048.9
233 9.4 11544.5 +6023.1	323 9.5 13511.3 +6019.7	413 9.5 15054.9 +6013.2	503 9.5 22149.7 +6018.4
234 8.8 11548.1 +6057.0	324 9.5 13516.8 +6033.0	414 9.4 15056.2 +6018.2	504 8.0 22154.2 +6044.2
235 9.5 11619.8 +6024.7	325 9.5 13524.9 +6023.1	415 9.5 15124.6 +6013.1	505 9.5 22204.2 +6047.5
236 9.5 11705.7 +6049.1	326 9.4 13532.1 +6002.1	416 9.3 15120.3 +6020.9	506 9.5 22214.6 +6048.2
237 9.4 11713.0 +6039.5	327 8.5 13547.3 +6018.2	417 9.4 15139.8 +6009.3	507 8.3 22222.9 +6052.8
238 9.1 11730.9 +6040.2	328 9.5 13555.1 +6011.0	418 9.5 15216.3 +6036.5	508 9.5 22228.2 +6041.9
239 9.5 11757.1 +6037.0	329 9.3 13558.8 +6035.1	419 9.5 15225.7 +6037.7	509 9.0 22250.3 +6056.0
240 9.0 11832.2 +6034.0	330 9.5 13601.4 +6032.9	420 9.3 15247.1 +6021.4	510 9.0 22255.9 +6021.0
241 9.5 11846.1 +6007.9	331 9.0 13601.5 +6030.4	421 9.5 15250.7 +6011.5	511 9.5 22258.3 +6048.7
242 9.5 11915.5 +6054.5	332 9.5 13605.7 +6023.6	422 9.5 15253.2 +6052.8	512 9.5 22302.4 +6045.1
243 9.5 11925.4 +6048.6	333 9.0 13611.1 +6029.9	423 7.7 15258.1 +6000.3	513 9.3 22305.6 +6044.5
244 9.5 11956.1 +6005.7	334 9.5 13612.2 +6028.2	424 9.5 15339.9 +6015.8	514 9.5 22329.7 +6005.3
245 9.5 12001.9 +6002.5	335 9.4 13612.6 +6015.7	425 9.2 15437.7 +6007.3	515 8.1 22436.7 +6028.1
246 9.2 12005.3 +6013.2	336 9.0 13614.4 +6042.7	426 9.5 15500.5 +6050.0	516 9.5 22447.5 +6004.8
247 9.3 12017.8 +6040.1	337 9.5 13618.8 +6052.2	427 9.4 15500.5 +6052.5	517 9.5 22449.8 +6007.5
248 9.5 12047.1 +6035.2	338 9.5 13626.8 +6005.5	428 8.9 15529.6 +6058.5	518 9.4 22451.2 +6052.3
249 9.5 12059.1 +6000.9	339 8.8 13629.2 +6031.6	429 9.5 15545.4 +6012.2	519 9.2 22453.6 +6034.5
250 9.5 12102.5 +6037.4	340 9.5 13631.1 +6026.0	430 8.5 15611.5 +6020.8	520 9.2 22503.9 +6031.5
251 9.5 12131.3 +6011.5	341 9.5 13632.2 +6024.0	431 9.3 15613.8 +6014.2	521 9.5 22523.4 +6006.3
252 9.5 12141.6 +6001.9	342 9.5 13638.9 +6028.4	432 9.0 15619.4 +6006.3	522 9.4 22537.7 +6058.7
253 7.3 12157.3 +6047.9	343 9.1 13638.9 +6031.7	433 9.4 15636.7 +6013.1	523 9.5 22648.0 +6022.5
254 8.0 12203.5 +6008.8	344 9.5 13639.1 +6025.5	434 9.5 15639.5 +6048.0	524 4.5 22709.6 +6047.5
255 7.7 12207.9 +6017.7	345 9.4 13648.0 +6046.2	435 9.1 15740.8 +6042.1	525 9.5 22714.9 +6012.8
256 7.7 12214.7 +6037.4	346 9.5 13652.4 +6051.4	436 9.5 15815.2 +6029.4	526 9.0 22723.1 +6026.1
257 7.9 12217.5 +6046.3	347 9.3 13714.5 +6028.3	437 8.7 15825.4 +6015.5	527 8.0 22723.1 +6027.8
258 9.5 12222.4 +6047.8	348 9.3 13715.7 +6041.3	438 9.5 15907.8 +6003.9	528 9.5 22730.2 +6021.2
259 9.5 12250.5 +6023.8	349 9.5 13716.9 +6049.2	439 8.9 15918.3 +6038.2	529 9.5 22758.3 +6036.6
260 9.5 12251.6 +6043.0	350 9.5 13718.9 +6020.7	440 9.4 15920.3 +6045.6	530 9.5 22801.6 +6035.3
261 8.7 12257.4 +6022.8	351 9.0 13725.2 +6023.9	441 9.1 15933.0 +6050.9	531 9.5 22806.3 +6034.4
262 9.5 12308.1 +6013.3	352 9.3 13859.0 +6009.8	442 8.7 15952.9 +6007.4	532 9.5 22814.0 +6056.9
263 9.5 12311.4 +6005.1	353 9.5 13907.6 +6031.9	443 8.3 20015.3 +6016.1	533 9.5 22841.0 +6025.9
264 9.3 12329.0 +6057.7	354 9.5 13920.1 +6051.3	444 8.0 20051.0 +6039.8	534 9.5 22846.5 +6005.6

+60 535 2h28m

+60 892 5h26m

535	9.5	22854.3	+6037.6	625	8.8	25628.7	+6045.4	715	9.5	32617.3	+6035.4	804	9.1	41130.9	+6044.8
536	9.5	22857.5	+6029.6	626	9.5	25634.0	+6048.8	716	9.5	32622.5	+6033.8	805	8.7	41142.3	+6051.8
537	8.7	22901.2	+6052.9	627	9.3	25640.1	+6005.1	717	9.5	32625.1	+6004.2	806	9.2	41235.0	+6009.6
538	9.5	22909.8	+6021.8	628	9.5	25651.2	+6050.4	718	9.5	32632.8	+6023.0	807	9.5	41237.6	+6018.8
539	9.5	22911.9	+6058.8	629	9.5	25731.5	+6056.1	719	9.4	32707.2	+6040.6	808	9.3	41425.6	+6029.4
540	7.3	22926.1	+6051.4	630	9.5	25838.2	+6050.5	720	8.3	32717.6	+6050.9	809	9.4	41428.3	+6042.6
541	7.8	22940.2	+6039.3	631	9.4	25843.7	+6043.6	721	9.1	32727.1	+6019.4	810	9.5	41512.6	+6010.0
542	9.5	22940.9	+6039.8	632	9.4	25848.2	+6031.5	722	9.5	32736.0	+6028.1	811	9.5	41614.7	+6059.6
543	9.3	22959.5	+6012.9	633	8.2	25926.6	+6023.9	723	9.5	32755.9	+6023.8	812	9.5	41817.4	+6058.4
544	9.2	23003.9	+6030.2	634	8.6	25928.7	+6034.5	724	9.5	32803.8	+6050.5	813	9.5	41917.2	+6059.7
545	9.5	23029.2	+6008.3	635	9.3	25958.9	+6050.9	725	9.3	32830.0	+6007.0	814	9.5	41929.1	+6056.8
546	9.4	23057.6	+6029.1	636	7.0	30000.0	+6004.4	726	9.4	32834.5	+6008.4	815	9.2	41942.8	+6002.1
547	9.5	23122.5	+6054.1	637	9.5	30014.4	+6057.7	727	8.3	32859.8	+6034.6	816	9.5	42116.6	+6023.6
548	7.1	23125.9	+6058.4	638	9.2	30032.6	+6047.0	728	8.9	32903.8	+6010.9	817	9.2	42120.9	+6048.2
549	9.5	23134.6	+6014.7	639	9.4	30034.1	+6023.0	729	8.6	32904.8	+6010.8	818	9.4	42129.3	+6025.4
550	9.2	23134.8	+6053.0	640	8.8	30111.5	+6015.2	730	8.8	32924.4	+6023.3	819	9.3	42225.9	+6058.2
551	9.3	23146.3	+6059.3	641	9.5	30124.5	+6008.6	731	9.3	33058.9	+6006.2	820	9.4	42234.0	+6058.0
552	9.5	23154.1	+6059.0	642	9.4	30136.7	+6019.4	732	9.3	33105.2	+6011.1	821	9.3	42237.8	+6051.7
553	9.1	23208.6	+6008.2	643	9.5	30218.5	+6058.0	733	9.3	33148.8	+6015.3	822	9.4	42331.8	+6054.1
554	9.1	23212.8	+6012.9	644	8.6	30226.8	+6019.3	734	9.4	33150.5	+6004.4	823	9.3	42336.9	+6030.6
555	9.5	23227.9	+6053.9	645	9.5	30242.3	+6058.0	735	9.5	33245.4	+6040.7	824	9.0	42443.3	+6050.8
556	9.5	23232.5	+6018.0	646	9.3	30254.5	+6054.8	736	7.3	33246.0	+6059.8	825	7.8	42509.9	+6022.1
557	9.5	23242.1	+6043.5	647	9.5	30303.8	+6039.7	737	9.5	33431.1	+6049.8	826	7.0	42531.1	+6035.0
558	9.5	23242.3	+6045.6	648	9.5	30336.9	+6016.4	738	9.5	33439.2	+6042.3	827	7.7	42545.2	+6055.4
559	8.9	23258.8	+6014.9	649	9.5	30337.5	+6010.4	739	9.5	33441.0	+6038.2	828	9.5	42728.9	+6059.0
560	9.5	23353.0	+6043.2	650	9.2	30355.6	+6005.4	740	9.5	33446.3	+6039.3	829	9.5	42803.5	+6058.6
561	8.0	23400.8	+6046.1	651	8.0	30356.2	+6034.8	741	8.6	33505.5	+6024.0	830	9.5	43102.5	+6049.9
562	9.5	23409.0	+6035.4	652	8.4	30359.9	+6008.2	742	9.4	33535.2	+6016.8	831	9.3	43123.7	+6032.7
563	9.5	23415.4	+6039.8	653	9.0	30404.2	+6007.6	743	9.5	33546.6	+6013.5	832	9.0	43127.9	+6013.9
564	9.2	23527.3	+6050.8	654	9.5	30440.3	+6040.1	744	9.4	33619.4	+6022.9	833	9.3	43129.7	+6032.7
565	9.5	23530.1	+6034.6	655	9.4	30512.5	+6045.1	745	9.4	33625.4	+6046.8	834	9.1	43314.4	+6038.4
566	9.5	23611.5	+6032.0	656	9.4	30520.4	+6016.5	746	9.3	33628.3	+6026.2	835	9.5	43324.5	+6047.6
567	9.5	23622.9	+6007.9	657	9.3	30523.0	+6024.6	747	8.8	33722.6	+6032.7	836	9.0	43426.4	+6001.7
568	9.0	23644.8	+6053.3	658	9.4	30523.0	+6030.8	748	9.5	33731.1	+6051.4	837	9.4	43442.9	+6042.5
569	9.5	23703.6	+6038.5	659	9.5	30527.5	+6029.3	749	9.1	33743.8	+6048.6	838	9.0	43703.9	+6012.5
570	9.4	23710.7	+6009.5	660	9.5	30553.2	+6044.8	750	9.4	33747.6	+6002.9	839	9.5	43713.1	+6058.1
571	9.5	23730.9	+6046.1	661	9.5	30558.6	+6035.5	751	9.0	33806.2	+6025.9	840	9.5	43758.1	+6029.0
572	9.5	23751.0	+6006.9	662	9.0	30600.9	+6034.4	752	8.8	33820.1	+6052.3	841	9.3	44047.9	+6027.2
573	9.5	23828.4	+6037.1	663	9.5	30650.2	+6037.6	753	8.7	33837.5	+6048.6	842	9.4	44054.9	+6049.5
574	9.5	23835.0	+6031.8	664	9.5	30724.5	+6039.0	754	8.4	33851.9	+6004.4	843	8.7	44125.8	+6019.3
575	9.0	23853.9	+6058.5	665	9.4	30726.9	+6016.2	755	8.7	33914.3	+6054.9	844	9.2	44156.9	+6038.9
576	9.3	23932.0	+6056.6	666	9.0	30848.2	+6014.6	756	9.5	33921.9	+6008.5	845	8.5	44207.5	+6049.5
577	9.5	23951.7	+6056.6	667	8.6	30848.9	+6045.0	757	9.4	33940.0	+6050.2	846	9.4	44242.9	+6000.7
578	9.4	23956.2	+6004.2	668	8.5	31024.1	+6055.9	758	9.4	33959.8	+6012.9	847	9.5	44253.3	+6035.0
579	9.2	23958.1	+6010.0	669	8.4	31045.8	+6059.3	759	9.4	34018.1	+6003.2	848	9.0	44342.4	+6037.5
580	9.5	24001.8	+6059.4	670	9.2	31112.9	+6060.8	760	9.5	34020.6	+6049.2	849	9.5	44420.4	+6030.5
581	8.2	24023.9	+6032.5	671	8.0	31128.9	+6046.1	761	9.1	34044.8	+6028.3	850	9.2	44714.1	+6054.3
582	9.5	24143.2	+6038.9	672	8.9	31143.7	+6052.4	762	7.8	34102.0	+6038.8	851	9.5	44739.4	+6043.3
583	8.3	24153.4	+6029.5	673	9.0	31148.6	+6031.3	763	9.5	34236.4	+6044.3	852	9.0	44817.9	+6032.0
584	9.2	24158.4	+6001.2	674	9.5	31152.4	+6055.5	764	9.4	34304.8	+6022.9	853	7.0	44820.3	+6058.4
585	9.0	24201.1	+6015.4	675	9.5	31209.2	+6059.6	765	9.4	34310.0	+6026.3	854	9.5	44836.7	+6050.8
586	8.3	24257.4	+6003.0	676	9.4	31250.5	+6009.2	766	9.1	34337.5	+6018.3	855	8.7	44945.4	+6029.0
587	8.8	24312.2	+6049.4	677	9.4	31311.9	+6001.0	767	9.5	34401.0	+6017.0	856	9.4	45028.4	+6011.4
588	9.2	24314.7	+6008.1	678	8.4	31354.2	+6055.9	768	9.5	34410.4	+6017.8	857	5.0	45034.9	+6012.9
589	9.0	24402.1	+6016.8	679	9.5	31402.5	+6036.7	769	5.8	34449.3	+6040.0	858	6.7	45036.7	+6057.7
590	9.5	24407.8	+6036.7	680	9.4	31435.7	+6057.4	770	9.0	34468.7	+6039.8	859	9.2	45425.3	+6059.7
591	5.9	24430.0	+6055.5	681	9.4	31436.2	+6031.7	771	9.5	34522.1	+6052.4	860	9.5	45725.5	+6008.0
592	9.1	24503.5	+6037.4	682	9.4	31459.3	+6019.0	772	9.0	34526.2	+6039.8	861	9.5	45734.2	+6006.0
593	9.4	24536.2	+6024.1	683	9.5	31555.1	+6028.3	773	8.5	34628.7	+6040.0	862	9.5	45816.5	+6045.3
594	9.1	24540.2	+6049.5	684	9.2	31707.7	+6021.9	774	8.5	34628.7	+6040.0	863	9.5	45905.9	+6059.0
595	9.1	24544.7	+6058.1	685	9.1	31716.8	+6003.3	775	9.0	34939.6	+6020.3	864	9.4	50001.9	+6007.1
596	9.3	24551.2	+6004.3	686	9.5	31736.9	+6054.3	776	9.5	35037.5	+6018.8	865	9.0	50239.9	+6041.8
597	7.8	24615.7	+6032.1	687	9.4	31807.2	+6004.2	777	9.5	35115.4	+6043.6	866	9.5	50324.1	+6058.7
598	9.4	24633.3	+6030.6	688	9.5	31846.3	+6053.8	778	9.5	35214.5	+6040.8	867	9.4	50329.3	+6005.5
599	9.5	24712.4	+6033.0	689	9.4	31857.0	+6058.7	779	9.5	35227.3	+6016.8	868	8.7	50345.4	+6006.0
600	9.0	24726.7	+6022.1	690	9.5	31908.8	+6001.9	780	8.5	35351.7	+6039.4	869	9.0	50347.9	+6028.6
601	9.2	24728.5	+6047.0	691	9.5	31948.0	+6003.2	781	7.8	35559.4	+6029.1	870	9.5	50418.3	+6059.7
602	9.5	24732.0	+6048.1	692	9.5	32016.6	+6001.0	782	9.5	35600.5	+6038.5	871	8.2	50433.4	+6000.2
603	9.4	24732.4	+6010.8	693	9.5	32025.3	+6028.2	783	9.5	35725.4	+6014.9	872	9.5	50553.5	+6052.7
604	9.1	24738.5	+6050.8	694	9.0	32043.7	+6045.3	784	9.2	35731.6	+6009.9	873	9.4	50554.4	+6011.4
605	8.8	24758.0	+6018.4	695	9.0	32051.8	+6013.4	785	9.2	35941.7	+6050.3	874	9.0	50559.2	+6005.6
606	9.1	24800.0	+6000.7	696	9.5	32107.3	+6050.6	786	9.1	40207.5	+6015.4	875	9.5	50648.4	+6032.5
607	9.5	24807.2	+6020.4	697	9.0	32120.0	+6025.5	787	9.5	40244.8	+6040.0	876	9.4	50712.7	+6008.8
608	7.2	24821.0	+6042.2	698	9.5	32157.1	+6034.7	788	9.1	40343.4	+6045.9	877	9.2	50716.3	+6006.6
609	9.5	24859.9	+6049.1	699	9.5	32201.9	+6013.3	789	9.0	40356.7	+6035.0	878	9.4	50729.4	+6016.5
610	8.9	24906.5	+6048.2	700	9.4	32207.8	+6013.8	790	9.0	40426.4	+6039.0	879	9.0	50927.4	+6011.7
611	9.5	24933.9	+6009.6	701	9.2	32207.9	+6000.4	791	8.6	40525.6</					

893	9.2	52728.9	+6049.6	893	9.2	62420.5	+6002.2	1073	9.4	73039.0	+6037.3	1163	9.5	85023.3	+6042.5
894	7.0	52832.2	+6031.9	894	9.5	62453.1	+6015.4	1074	9.4	73121.0	+6023.4	1164	9.5	85026.3	+6016.9
895	9.3	52945.0	+6049.1	895	8.4	62505.0	+6011.8	1075	9.4	73218.5	+6045.1	1165	9.1	85034.5	+6005.9
896	9.3	52947.0	+6054.1	896	9.0	62512.2	+6020.3	1076	9.3	73239.5	+6011.1	1166	9.0	85142.4	+6034.0
897	7.8	53021.0	+6056.3	897	9.5	62712.6	+6032.5	1077	9.5	73258.1	+6009.8	1167	9.5	85145.3	+6042.8
898	9.5	53115.4	+6017.8	898	9.5	62736.2	+6022.6	1078	9.1	73300.5	+6058.0	1168	9.2	85337.3	+6020.3
899	9.5	53223.8	+6040.3	899	9.4	62829.3	+6039.4	1079	8.7	73324.4	+6049.7	1169	8.9	85344.0	+6050.8
900	9.5	53226.5	+6010.4	900	8.8	62934.2	+6022.2	1080	9.4	73415.0	+6012.1	1170	9.0	85752.2	+6054.2
901	9.2	53412.4	+6042.2	901	9.5	62953.9	+6024.6	1081	9.5	73452.4	+6045.1	1171	9.2	85826.3	+6030.1
902	8.8	53648.7	+6030.5	902	9.5	63132.4	+6038.5	1082	7.0	73525.2	+6038.6	1172	8.5	85841.3	+6046.4
903	9.2	53801.0	+6051.1	903	9.5	63300.0	+6047.8	1083	9.1	73724.5	+6010.1	1173	9.4	85841.7	+6047.4
904	9.5	53826.4	+6005.0	904	9.5	63320.2	+6028.2	1084	6.7	73736.4	+6040.5	1174	9.5	85952.3	+6039.5
905	8.7	53855.6	+6054.0	905	9.5	63341.0	+6001.6	1085	8.7	73858.2	+6017.4	1175	9.4	90043.4	+6049.8
906	9.0	53913.1	+6048.2	906	9.3	63420.0	+6037.7	1086	9.5	73917.3	+6000.7	1176	9.5	90217.8	+6039.0
907	8.9	53929.2	+6041.3	907	9.1	63425.2	+6002.3	1087	9.5	73920.6	+6053.6	1177	8.8	90252.4	+6048.3
908	9.5	54046.3	+6007.8	908	9.0	63558.9	+6020.4	1088	8.5	74015.3	+6007.5	1178	9.1	90536.9	+6058.8
909	9.4	54050.0	+6016.2	909	9.1	63607.9	+6005.2	1089	9.0	74031.8	+6049.9	1179	9.4	90636.4	+6022.1
910	9.4	54056.9	+6008.5	910	8.6	63627.0	+6020.4	1090	9.0	74216.3	+6010.3	1180	8.3	90652.4	+6039.0
911	9.1	54102.7	+6027.9	911	8.3	63637.8	+6019.0	1091	9.3	74220.1	+6035.5	1181	7.3	90921.1	+6022.8
912	8.6	54104.0	+6000.1	912	8.5	63639.8	+6038.1	1092	9.5	74233.9	+6030.0	1182	9.4	90939.4	+6001.7
913	9.4	54239.7	+6030.0	913	8.6	63652.6	+6028.7	1093	9.2	74245.2	+6006.7	1183	9.0	91139.6	+6027.7
914	9.5	54244.4	+6030.3	914	9.2	63815.4	+6027.3	1094	9.0	74302.8	+6008.9	1184	9.5	91147.2	+6010.0
915	7.1	54540.8	+6021.4	915	8.5	63921.8	+6033.2	1095	9.1	74322.1	+6056.2	1185	9.5	91231.3	+6029.1
916	8.9	54556.7	+6145.8	916	9.4	63953.7	+6014.5	1096	9.4	74326.5	+6056.9	1186	9.5	91341.5	+6019.3
917	8.8	54610.8	+6002.9	917	9.5	64105.2	+6009.2	1097	8.0	74401.5	+6002.6	1187	8.0	91352.2	+6037.0
918	9.5	54639.5	+6036.5	918	9.3	64122.5	+6001.8	1098	9.3	74503.2	+6032.0	1188	9.5	91442.4	+6012.0
919	9.5	54648.6	+6008.0	919	9.3	64224.9	+6039.4	1099	8.9	74508.2	+6001.1	1189	9.5	91528.3	+6010.0
920	9.5	54732.8	+6015.4	920	9.3	64242.2	+6056.3	1100	8.5	74524.7	+6027.0	1190	9.2	91631.3	+6059.5
921	8.0	55045.6	+6076.3	921	9.3	64319.6	+6049.8	1101	9.4	74731.2	+6022.3	1191	9.5	91744.9	+6029.2
922	9.0	55116.5	+6016.5	922	9.5	64450.9	+6031.3	1102	9.4	74756.7	+6057.0	1192	8.4	91828.2	+6028.2
923	9.0	55207.1	+6011.5	923	9.5	64457.0	+6031.3	1103	9.5	74818.8	+6053.2	1193	9.0	91954.1	+6032.1
924	8.2	55217.0	+6027.6	924	9.1	64500.0	+6024.3	1104	9.2	74909.6	+6049.3	1194	8.8	92240.2	+6026.2
925	8.5	55221.9	+6040.3	925	7.5	64506.3	+6058.5	1105	6.1	74919.2	+6042.3	1195	8.9	92227.6	+6057.9
926	9.5	55241.7	+6057.5	926	9.5	64507.9	+6025.6	1106	8.3	75003.8	+6048.7	1196	9.5	92506.4	+6008.1
927	9.5	55359.2	+6053.3	927	8.7	64514.1	+6046.4	1107	9.1	75211.3	+6032.0	1197	9.3	92646.0	+6040.5
928	9.1	55402.3	+6023.1	928	9.4	64531.2	+6027.5	1108	9.5	75468.0	+6054.7	1198	6.5	92643.6	+6051.0
929	9.5	55648.8	+6031.6	929	9.5	64611.0	+6043.6	1109	9.2	75416.0	+6026.3	1199	9.4	92836.0	+6041.5
930	9.4	55651.0	+6001.6	930	9.4	64651.9	+6027.1	1110	9.2	75610.3	+6016.4	1200	9.4	93047.6	+6019.3
931	6.9	55809.0	+6028.5	931	9.3	64703.6	+6048.1	1111	9.1	75640.4	+6043.9	1201	9.0	93157.0	+6056.2
932	9.5	55818.0	+6031.0	932	9.5	64806.4	+6016.6	1112	8.6	75650.9	+6016.4	1202	9.3	93217.5	+6053.6
933	9.5	60054.6	+6039.4	933	8.6	64825.0	+6036.3	1113	8.7	75803.4	+6021.3	1203	9.5	93242.4	+6032.7
934	9.5	60143.7	+6030.0	934	8.5	65019.4	+6049.1	1114	8.0	75924.2	+6044.9	1204	9.4	93331.3	+6014.9
935	9.5	60212.6	+6010.5	935	9.0	65301.9	+6032.8	1115	9.3	75951.4	+6020.3	1205	9.4	93333.5	+6003.6
936	9.5	60213.0	+6027.5	936	7.0	65313.2	+6000.5	1116	9.2	80055.4	+6000.7	1206	9.0	93502.2	+6019.8
937	9.5	60227.6	+6043.8	937	8.5	65328.8	+6020.3	1117	8.3	80310.7	+6027.2	1207	9.4	93530.4	+6002.2
938	5.8	60241.2	+6001.7	938	9.5	65505.0	+6057.0	1118	9.2	80323.0	+6016.4	1208	9.3	93702.7	+6011.5
939	9.5	60243.5	+6052.3	939	8.8	65553.9	+6029.9	1119	6.8	80335.4	+6049.8	1209	7.4	93814.3	+6046.0
940	9.5	60340.0	+6031.5	940	9.4	65644.8	+6027.4	1120	9.5	80444.6	+6044.8	1210	8.5	93902.6	+6039.5
941	8.7	60440.5	+6032.5	941	8.6	65645.0	+6057.8	1121	8.7	80510.9	+6059.3	1211	8.7	94004.9	+6052.0
942	9.5	60455.5	+6011.0	942	8.2	65717.0	+6018.2	1122	9.3	80522.2	+6016.4	1212	9.5	94029.4	+6002.2
943	9.5	60501.6	+6051.0	943	9.5	65741.6	+6015.7	1123	8.9	80540.0	+6053.1	1213	9.5	94139.0	+6009.0
944	9.1	60715.9	+6058.7	944	7.5	65837.8	+6027.2	1124	6.0	80546.9	+6000.1	1214	9.5	94205.2	+6059.2
945	9.1	60732.3	+6048.3	945	8.8	70042.5	+6021.0	1125	9.3	80559.7	+6006.1	1215	9.5	94246.8	+6010.5
946	9.4	60742.0	+6005.0	946	9.5	70151.6	+6049.5	1126	8.4	80641.7	+6056.2	1216	7.0	94348.1	+6035.6
947	9.1	60743.4	+6006.6	947	9.0	70242.5	+6037.8	1127	9.2	80643.4	+6001.1	1217	9.1	94358.0	+6027.2
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951	7.0	60853.0	+6049.7	951	9.5	70544.4	+6033.8	1131	9.0	81335.6	+6054.4	1221	8.0	94559.7	+6007.6
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1618	9.5	153107.9	+6008.4	1707	9.3	164743.8	+6037.1	1797	9.4	175634.8	+6008.7	1887	9.3	190458.6	+6052.5
1619	8.4	153116.6	+6004.2	1708	8.8	164821.3	+6019.5	1798	7.5	175815.1	+6027.5	1888	9.0	190537.4	+6003.7
1620	9.5	153118.7	+6011.2	1709	9.4	164910.0	+6033.7	1799	9.4	175828.6	+6046.4	1889	9.1	190546.9	+6037.7
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1650	9.5	160120.9	+6008.3	1739	9.5	170823.9	+6050.0	1829	9.0	182501.6	+6014.0	1919	8.4	191451.7	+6019.5
1651	9.5	160138.5	+6001.4	1740	9.2	171008.9	+6038.9	1830	9.3	182544.5	+6001.2	1920	8.9	191501.4	+6012.2
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+60 2330 21h57m

+60 2331 21h58m

2331	7.5	215839.1	+6008.7	2421	8.7	223307.4	+6001.2	2511	8.6	231008.6	+6044.3	2601	9.5	233329.9	+6024.5
2332	9.0	215839.5	+6031.3	2422	9.5	223312.6	+6034.0	2512	9.1	231038.4	+6008.0	2602	9.5	233340.9	+6003.5
2333	8.2	220008.2	+6039.4	2423	9.5	223344.3	+6042.3	2513	9.5	231109.9	+6037.0	2603	9.5	233354.1	+6001.6
2334	7.5	220009.7	+6037.6	2424	9.5	223345.5	+6018.5	2514	8.8	231129.7	+6021.7	2604	9.2	233356.1	+6059.7
2335	8.5	220013.1	+6016.9	2425	9.0	223420.7	+6038.6	2515	9.5	231212.0	+6010.2	2605	9.5	233408.2	+6056.5
2336	9.4	220024.6	+6026.8	2426	9.4	223430.0	+6019.0	2516	9.0	231214.0	+6040.5	2606	9.5	233505.4	+6025.5
2337	7.5	220049.9	+6001.5	2427	9.2	223525.2	+6019.6	2517	9.5	231214.7	+6001.5	2607	9.5	233515.9	+6009.7
2338	9.5	220123.5	+6005.6	2428	9.1	223602.1	+6046.2	2518	9.1	231217.7	+6007.0	2608	8.5	233520.9	+6040.9
2339	9.5	220134.2	+6016.4	2429	9.5	223612.7	+6047.1	2519	9.0	231255.6	+6043.3	2609	6.1	233537.4	+6052.3
2340	9.2	220305.1	+6016.8	2430	7.5	223840.2	+6045.1	2520	8.5	231332.5	+6033.5	2610	9.0	233611.8	+6057.9
2341	9.0	220314.9	+6017.4	2431	9.5	223842.0	+6019.7	2521	7.0	231339.6	+6021.3	2611	9.0	233636.4	+6022.1
2342	8.7	220321.6	+6024.7	2432	8.9	223843.5	+6058.4	2522	8.0	231419.6	+6023.8	2612	8.7	233646.2	+6030.1
2343	8.5	220329.9	+6053.2	2433	7.5	223921.7	+6003.8	2523	9.2	231454.5	+6010.3	2613	9.5	233705.1	+6059.2
2344	9.1	220335.4	+6011.0	2434	9.5	223937.5	+6008.8	2524	8.5	231506.9	+6018.1	2614	9.4	233728.9	+6028.9
2345	9.5	220337.7	+6048.5	2435	9.5	224016.8	+6002.7	2525	9.3	231524.0	+6003.5	2615	8.9	233745.9	+6051.7
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2348	7.3	220404.6	+6017.4	2438	9.5	224207.8	+6029.6	2528	9.4	231618.3	+6025.2	2618	9.5	233830.4	+6046.3
2349	9.1	220414.3	+6059.9	2439	9.5	224215.4	+6036.0	2529	8.7	231704.4	+6055.8	2619	9.5	234019.6	+6040.4
2350	9.1	220508.4	+6015.9	2440	9.5	224306.9	+6057.0	2530	9.4	231716.8	+6003.9	2620	9.1	234128.5	+6028.0
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2353	9.3	220654.8	+6025.5	2443	8.5	224353.6	+6033.3	2533	9.0	231806.0	+6032.0	2623	9.2	234158.4	+6033.9
2354	9.1	220657.2	+6032.1	2444	9.2	224415.7	+6033.0	2534	9.3	231816.2	+6049.5	2624	9.5	234219.4	+6008.0
2355	9.4	220701.7	+6050.7	2445	9.5	224519.1	+6027.0	2535	20.0	231818.8	+6049.5	2625	8.7	234231.8	+6004.0
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2361	9.4	220813.0	+6044.1	2451	9.0	224549.4	+6003.5	2541	9.5	232018.3	+6006.7	2630	9.5	234426.4	+6015.2
2362	8.9	220837.1	+6026.7	2452	9.5	224634.4	+6023.6	2542	8.9	232034.6	+6035.4	2631	9.4	234501.5	+6007.7
2363	9.3	220846.0	+6051.8	2453	7.8	224704.6	+6008.5	2543	9.5	232050.8	+6033.5	2632	9.1	234531.6	+6011.2
2364	9.5	220912.4	+6005.5	2454	9.2	224737.0	+6012.4	2544	9.5	232059.8	+6033.3	2633	8.5	234534.4	+6029.0
2365	9.5	220925.2	+6044.4	2455	8.8	224759.2	+6020.7	2545	9.5	232100.8	+6035.7	2634	9.0	234546.7	+6011.8
2366	9.2	220941.1	+6000.3	2456	8.1	224817.3	+6005.1	2546	8.8	232124.2	+6033.4	2635	9.4	234554.1	+6006.3
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2368	8.7	221009.9	+6059.6	2458	8.4	224918.9	+6050.2	2548	9.4	232131.5	+6033.4	2637	7.3	234701.9	+6047.8
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2370	8.5	221033.1	+6016.9	2460	9.4	225018.4	+6026.6	2550	7.9	232138.2	+6040.5	2639	9.0	234835.4	+6027.0
2371	9.5	221048.3	+6031.1	2461	9.5	225115.0	+6009.5	2551	9.4	232144.0	+6024.0	2640	8.8	234849.6	+6051.3
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2373	9.5	221124.9	+6002.4	2463	9.4	225242.9	+6024.6	2553	9.5	232209.6	+6030.3	2642	9.5	234922.0	+6000.6
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2376	9.5	221215.5	+6042.0	2466	9.5	225359.7	+6042.9	2556	9.2	232240.5	+6033.4	2645	9.2	234934.2	+6050.6
2377	9.5	221302.0	+6057.2	2467	9.5	225428.5	+6011.9	2557	9.4	232243.6	+6020.8	2645a	9.5	234916.8	+6025.5
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2387	8.2	221539.4	+6051.2	2477	9.3	230013.9	+6047.3	2567	8.5	232446.7	+6039.8	2655	9.4	235333.4	+6001.2
2388	9.4	221614.3	+6043.5	2478	9.5	230018.2	+6002.9	2568	9.2	232456.1	+6012.2	2656	6.8	235400.1	+6001.6
2389	9.2	221631.4	+6025.2	2479	6.8	230028.6	+6040.0	2569	9.4	232509.0	+6015.8	2657	6.0	235415.2	+6023.5
2390	9.5	221657.2	+6052.8	2480	9.5	230038.4	+6059.2	2570	9.5	232603.4	+6016.0	2658	9.0	235420.6	+6011.7
2391	9.4	221923.0	+6005.0	2481	9.5	230055.0	+6006.4	2571	9.5	232605.3	+6012.8	2659	9.5	235436.8	+6008.6
2392	9.5	221937.1	+6034.6	2482	7.5	230107.8	+6002.9	2572	9.5	232637.6	+6055.5	2660	9.5	235434.3	+6033.4
2393	7.5	222008.1	+6005.4	2483	9.5	230113.0	+6017.0	2573	9.5	232640.0	+6041.2	2661	9.5	235545.5	+6041.9
2394	9.1	222045.3	+6023.7	2484	9.5	230120.0	+6006.0	2574	9.5	232642.2	+6018.2	2662	8.6	235605.4	+6050.7
2395	9.5	222246.6	+6015.6	2485	9.3	230121.2	+6010.0	2575	9.2	232705.9	+6044.0	2663	8.5	235630.8	+6017.6
2396	9.1	222312.1	+6031.1	2486	9.1	230130.2	+6010.8	2576	9.3	232712.4	+6054.9	2664	9.3	235635.0	+6003.9
2397	7.0	222337.7	+6043.0	2487	9.4	230138.4	+6019.7	2577	9.3	232720.4	+6010.2	2665	9.2	235654.9	+6042.4
2398	9.5	222353.5	+6035.6	2488	9.5	230211.5	+6031.7	2578	8.5	232736.7	+6038.4	2666	9.4	235713.9	+6055.2
2399	9.5	222354.5	+6037.6	2489	9.5	230227.4	+6028.6	2579	9.5	232754.6	+6054.0	2667	6.0	235738.4	+6031.4
2400	9.5	222356.5	+6044.3	2490	9.5	230234.0	+6007.5	2580	9.4	232759.0	+6050.5	2668	8.8	235832.7	+6004.2
2401	9.4	222447.9	+6059.9	2491	8.3	230318.9	+6052.1	2581	9.5	232827.3	+6035.9	2669	8.1	235848.4	+6017.1
2402	9.3	222521.2	+6045.1	2492	9.5	230327.2	+6031.5	2582	8.3	232847.3	+6006.8	1	9.1	00001.3	+5956.2
2403	7.0	222526.6	+6053.1	2493	9.3	230330.2	+6040.8	2583	8.5</						

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379	9.5	15047.9	+5956.2	469	9.4	20948.8	+5911.9	559	7.6	24145.7	+5952.3	648	8.0	31331.7	+5957.8
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381	8.4	15126.8	+5906.1	471	9.5	21011.0	+5959.9	561	9.0	24204.7	+5950.8	650	9.5	31343.5	+5901.5
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394	8.7	15333.2	+5903.7	484	7.2	21450.8	+5920.3	574	9.2	24658.5	+5924.1	663	9.5	31912.8	+5923.7
395	9.5	15346.0	+5909.5	485	9.2	21545.1	+5955.9	575	9.5	24700.6	+5909.2	664	9.5	31913.8	+5924.6
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397	7.2	15366.8	+5932.5	487	9.5	21602.1	+5939.7	577	9.3	24754.0	+5920.3	666	9.2	31954.7	+5905.7
398	8.9	15416.0	+5959.3	488	9.5	21701.5	+5937.8	578	8.0	24805.4	+5958.6	667	9.4	31957.0	+5924.1
399	8.5	15431.0	+5943.7	489	9.5	21703.8	+5948.0	579	9.5	24915.0	+5920.5	668	9.5	32001.8	+5933.3
400	7.8	15434.3	+5948.4	490	9.4	21726.7	+5904.8	580	9.5	24923.0	+5924.5	669	9.5	32018.4	+5955.7
401	7.2	15453.5	+5939.0	491	9.5	21729.6	+5934.5	581	8.7	24934.5	+5904.8	670	8.5	32204.6	+5949.3
402	9.5	15500.0	+5925.9	492	9.4	21751.1	+5909.2	582	7.0	24940.5	+5905.8	671	8.9	32206.3	+5954.5
403	8.6	15543.7	+5934.6	493	9.4	21753.8	+5949.5	583	9.1	25016.4	+5959.0	672	8.0	32234.2	+5914.4
404	9.4	15548.5	+5942.5	494	9.3	21759.0	+5943.1	584	8.9	25100.5	+5902.8	673	9.5	32259.7	+5921.5
405	9.5	15622.4	+5924.6	495	9.5	21844.7	+5912.9	585	9.3	25140.4	+5956.1	674	9.4	32300.4	+5940.0
406	9.5	15623.6	+5918.9	496	9.5	21850.2	+5954.9	586	9.4	25155.8	+5956.9	675	7.0	32313.8	+5932.6
407	9.5	15637.8	+5945.9	497	9.4	21907.2	+5912.2	587	9.0	25229.0	+5916.2	676	9.0	32332.1	+5905.9
408	9.0	15641.5	+5925.7	498	9.5	21926.1	+5942.5	588	6.8	25228.1	+5944.2	677	8.0	32344.7	+5902.1
409	9.3	15657.3	+5929.4	499	9.5	21929.4	+5950.1	589	8.2	25334.8	+5927.4	678	9.5	32420.5	+5946.2
410	9.5	15658.1	+5948.2	500	9.5	22015.9	+5946.4	590	8.9	25420.2	+5944.6	679	9.5	32421.4	+5923.5
411	9.3	15701.5	+5933.5	501	9.5	22016.4	+5945.7	591	9.5	25443.2	+5905.8	680	8.5	32444.1	+5911.4
412	9.5	15803.7	+5943.4	502	9.5	22112.5	+5911.3	592	9.0	25456.1	+5900.4	681	9.5	32445.8	+5946.5
413	9.2	15816.6	+5916.1	503	9.3	22126.1	+5919.5	593	9.5	25548.7	+5955.4	682	9.5	32459.0	+5931.8
414	9.3	15836.0	+5900.7	504	9.1	22127.3	+5958.5	594	9.5	25611.2	+5955.4	683	8.9	32558.8	+5910.9
415	7.8	15842.1	+5930.1	505	7.5	22227.3	+5921.0	595	9.1	25622.5	+5927.7	684	9.4	32607.1	+5903.1
416	9.5	15912.4	+5912.0	506	9.0	22229.2	+5958.1	596	9.4	25703.6	+5914.5	685	8.3	32700.7	+5906.0
417	9.5	15931.0	+5914.7	507	9.4	22233.0	+5950.3	597	9.2	25755.6	+5952.9	686	9.5	32739.2	+5959.8
418	9.5	15949.5	+5937.9	508	9.4	22247.9	+5958.8	598	9.0	25802.7	+5940.2	687	9.5	32747.2	+5926.0
419	9.5	15949.3	+5956.6	509	7.9	22249.8	+5939.2	599	8.9	25817.5	+5940.2	688	9.2	32758.8	+5948.4
420	9.0	15959.1	+5928.0	510	9.5	22324.1	+5921.9	600	9.1	25849.4	+5958.5	689	9.4	32811.8	+5942.2
421	9.5	20004.8	+5935.0	511	9.5	22341.6	+5931.2	601	9.3	25926.5	+5910.2	690	9.5	32822.2	+5904.3
422	6.8	20006.0	+5917.5	512	9.5	22349.0	+5948.0	602	9.2	25928.6	+5958.4	691	9.5	32833.7	+5926.9
423	9.5	20017.4	+5907.6	513	8.2	22355.9	+5954.2	603	9.5	30029.3	+5944.4	692	9.5	32842.5	+5930.9
424	9.0	20020.5	+5923.5	514	9.5	22426.0	+5923.3	604	9.4	30038.2	+5959.8	693	9.4	32846.7	+5942.6
425	9.5	20028.5	+5942.8	515	8.4	22443.3	+5910.2	605	9.5	30042.4	+5927.1	694	9.0	32849.6	+5938.4
426	9.5	20029.1	+5955.7	516	9.5	22506.8	+5958.1	606	9.5	30048.9	+5937.5	695	9.5	32908.7	+5944.6
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+59 1095 7h23m

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1095	9.5	72341.2	+5942.2	1185	9.1	83112.4	+5924.0	1274	7.1	94819.2	+5938.7	1364	8.2	110806.4	+5944.1
1096	9.4	72536.8	+5922.8	1186	9.0	83207.5	+5923.5	1275	8.0	94850.5	+5926.8	1365	9.2	110908.3	+5948.0
1097	9.5	72542.7	+5931.6	1187	9.2	83252.0	+5955.2	1276	8.2	94855.3	+5951.5	1366	9.0	110922.1	+5949.8
1098	9.4	72652.0	+5959.1	1188	9.5	83324.9	+5914.8	1277	9.3	94924.8	+5926.9	1367	7.8	111041.3	+5940.5
1099	7.2	72729.0	+5952.5	1189	9.4	83324.9	+5929.6	1278	9.5	94958.5	+5924.0	1368	7.8	111201.7	+5934.1
1100	8.0	72804.5	+5925.1	1190	8.9	83404.1	+5921.5	1279	9.5	95046.9	+5908.8	1369	7.8	111304.6	+5916.5
1101	9.5	72904.7	+5915.9	1191	9.5	83704.9	+5949.4	1280	9.5	95147.0	+5941.3	1370	9.0	111316.7	+5912.5
1102	9.5	72927.5	+5929.3	1192	9.5	83916.1	+5925.2	1281	9.5	95319.2	+5926.5	1371	8.9	111451.3	+5923.2
1103	5.0	73043.2	+5901.6	1193	9.2	83930.3	+5924.1	1282	9.4	95320.1	+5919.0	1372	9.3	111501.1	+5924.3
1104	9.1	73059.2	+5931.0	1194	9.1	83951.8	+5924.2	1283	9.5	95406.0	+5932.5	1373	9.5	111547.4	+5909.2
1105	7.5	73123.5	+5937.3	1195	9.2	83958.3	+5923.3	1284	8.3	95410.5	+5953.6	1374	9.0	111557.7	+5953.4
1106	9.1	73422.0	+5959.5	1196	8.6	84114.2	+5912.9	1285	9.1	95549.3	+5910.6	1375	9.4	111608.6	+5941.5
1107	9.4	73504.9	+5959.0	1197	9.5	84117.8	+5949.8	1286	9.0	95711.0	+5949.7	1376	9.5	111710.5	+5929.2
1108	8.0	73609.1	+5926.0	1198	6.5	84137.9	+5936.0	1287	9.3	95802.2	+5923.5	1377	8.6	111731.0	+5933.4
1109	9.5	73615.2	+5921.3	1199	8.0	84219.8	+5925.3	1288	9.5	95855.5	+5946.7	1378	9.4	111805.3	+5906.2
1110	9.4	73619.5	+5952.7	1200	9.3	84302.0	+5915.5	1289	9.1	95953.1	+5916.6	1379	9.4	111913.1	+5920.0
1111	9.3	73620.7	+5941.0	1201	9.4	84506.9	+5900.2	1290	9.0	95957.6	+5948.8	1380	8.3	111926.3	+5930.5
1112	7.8	73817.0	+5923.9	1202	8.5	84512.3	+5958.2	1291	8.3	100038.3	+5920.0	1381	9.2	112059.0	+5931.7
1113	7.5	73942.7	+5950.8	1203	8.8	84540.8	+5909.9	1292	9.4	100125.5	+5915.6	1382	9.5	112144.7	+5947.0
1114	9.4	73947.5	+5915.0	1204	9.5	84553.0	+5942.0	1293	8.5	100243.2	+5917.0	1383	9.3	112348.3	+5926.5
1115	8.1	74057.8	+5901.8	1205	9.5	84705.8	+5946.1	1294	9.3	100318.3	+5902.2	1384	8.5	112348.3	+5914.0
1116	9.3	74139.8	+5956.2	1206	9.2	84747.1	+5920.8	1295	8.9	100321.8	+5909.9	1385	9.5	112441.0	+5943.5
1117	8.3	74154.5	+5919.0	1207	9.5	84756.2	+5903.3	1296	9.5	100456.1	+5928.0	1386	9.4	112552.4	+5914.0
1118	9.2	74157.5	+5908.0	1208	9.3	84823.9	+5950.9	1297	9.5	100642.3	+5940.3	1387	9.0	112631.5	+5950.8
1119	9.1	74203.4	+5909.7	1209	8.3	84847.8	+5949.3	1298	9.5	100916.6	+5903.2	1388	7.8	112731.0	+5900.8
1120	9.5	74212.7	+5940.9	1210	9.5	85019.8	+5912.8	1299	8.7	101100.5	+5920.5	1389	9.3	112748.6	+5902.2
1121	8.8	74240.2	+5946.3	1211	9.5	85029.6	+5916.8	1300	8.2	101112.5	+5946.3	1390	9.5	112814.8	+5941.5
1122	9.2	74252.8	+5940.5	1212	8.0	85031.4	+5958.3	1301	9.5	101148.4	+5921.0	1391	9.5	112924.9	+5917.7
1123	9.2	74324.5	+5901.3	1213	8.7	85035.2	+5905.0	1302	9.3	101152.0	+5950.2	1392	9.3	112928.4	+5914.7
1124	9.0	74446.3	+5951.7	1214	9.5	85124.0	+5913.5	1303	9.3	101158.9	+5936.6	1393	8.9	112946.5	+5935.6
1125	9.5	74520.3	+5913.3	1215	9.2	85208.7	+5919.1	1304	9.1	101218.4	+5926.9	1394	8.3	113025.1	+5953.8
1126	9.0	74533.4	+5954.7	1216	9.3	85237.7	+5919.0	1305	9.5	101303.6	+5940.3	1395	8.9	113129.6	+5936.3
1127	8.7	74714.9	+5905.3	1217	6.2	85524.9	+5954.8	1306	7.9	101355.4	+5908.7	1396	8.9	113331.0	+5944.2
1128	8.7	74757.6	+5919.7	1218	7.6	85613.7	+5926.9	1307	9.5	101426.6	+5901.3	1397	8.5	113331.6	+5943.7
1129	9.1	74846.2	+5916.5	1219	9.1	85624.4	+5906.0	1308	9.2	101433.8	+5915.0	1398	9.3	113439.6	+5917.7
1130	6.0	74910.6	+5926.6	1220	8.7	85708.1	+5939.5	1309	7.8	101619.7	+5940.6	1399	9.5	113458.8	+5959.7
1131	8.4	75000.0	+5909.8	1221	7.0	85838.3	+5943.0	1310	7.4	101647.1	+5952.7	1400	7.5	113557.2	+5913.0
1132	9.5	75016.9	+5929.0	1222	9.2	85840.3	+5949.0	1311	9.5	101822.5	+5919.5	1401	9.3	113533.6	+5902.3
1133	9.4	75036.2	+5937.6	1223	8.2	85914.1	+5950.8	1312	9.5	102106.5	+5906.7	1402	8.5	114059.4	+5949.8
1134	9.5	75100.4	+5911.8	1224	9.2	90045.4	+5942.4	1313	9.3	102223.4	+5939.9	1403	9.5	114250.2	+5921.5
1135	9.5	75347.5	+5913.4	1225	7.7	90122.1	+5919.1	1314	9.5	102425.0	+5922.4	1404	9.5	114252.1	+5957.7
1136	7.0	75353.9	+5939.6	1226	9.5	90335.9	+5929.7	1315	9.5	102517.9	+5934.8	1405	9.0	114349.2	+5943.2
1137	9.2	75434.0	+5913.0	1227	8.9	90459.9	+5918.7	1316	9.5	102524.4	+5940.7	1406	9.1	114441.7	+5911.6
1138	9.2	75434.4	+5929.2	1228	9.5	90757.0	+5949.0	1317	9.4	102848.1	+5935.9	1407	8.8	114554.6	+5933.0
1139	8.9	75518.9	+5958.8	1229	8.6	90816.1	+5901.0	1318	9.5	102848.5	+5917.5	1408	8.5	114647.5	+5918.0
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1141	9.4	75535.9	+5957.7	1231	9.1	91017.5	+5939.9	1320	9.2	103137.5	+5910.2	1410	9.5	114930.1	+5949.8
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1145	9.5	75926.9	+5941.0	1235	9.0	91324.7	+5957.3	1324	9.5	103550.4	+5922.5	1414	8.0	115219.8	+5952.8
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417	8.5	20512.0	+5833.6	507	9.2	23205.2	+5826.6	597	9.4	31242.3	+5824.5	687	8.7	35054.3	+5830.2
418	8.9	20514.2	+5851.9	508	7.5	23222.0	+5813.8	598	9.1	31348.0	+5844.1	688	9.4	35120.9	+5803.7
419	9.3	20514.4	+5848.5	509	9.4	23240.6	+5817.7	599	7.4	31352.5	+5810.7	689	9.5	35200.0	+5859.7
420	9.5	20520.8	+5824.6	510	8.5	23247.0	+5836.9	600	8.2	31413.4	+5854.9	690	5.0	35225.5	+5844.7
421	8.9	20533.7	+5843.4	511	9.5	23400.0	+5814.2	601	9.0	31450.0	+5822.0	691	9.4	35225.9	+5843.8
422	9.5	20548.0	+5853.2	512	9.3	23451.3	+5842.8	602	7.8	31552.9	+5840.9	692	9.4	35231.2	+5835.0
423	9.5	20549.0	+5857.8	513	9.4	23501.9	+5841.0	603	9.4	31612.1	+5830.4	693	9.5	35254.8	+5805.3
424	9.3	20558.9	+5839.4	514	9.4	23508.0	+5822.5	604	9.5	31649.8	+5803.3	694	8.0	35300.9	+5815.0
425	9.5	20612.5	+5848.4	515	9.3	23534.4	+5858.2	605	9.3	31712.4	+5805.9	695	9.2	35341.1	+5835.2
426	9.5	20615.1	+5836.7	516	9.5	23550.0	+5805.7	606	9.3	31752.5	+5854.1	696	9.5	35348.3	+5820.5
427	9.4	20640.4	+5836.0	517	9.0	23612.0	+5840.8	607	5.0	31821.9	+5822.1	697	9.5	35358.0	+5822.7
428	9.0	20705.0	+5840.8	518	9.0	23625.5	+5843.3	608	6.6	31833.6	+5851.7	698	8.4	35407.2	+5853.1
429	9.5	20709.2	+5839.1	519	9.1	23653.6	+5801.5	609	9.3	31918.0	+5837.5	699	8.7	35418.6	+5851.7
430	9.5	20710.7	+5825.9	520	9.5	23722.5	+5840.3	610	9.3	31921.2	+5844.3	700	9.3	35420.8	+5837.0
431	8.5	20711.8	+5851.6	521	7.2	23733.0	+5812.8	611	9.5	31952.3	+5847.1	701	9.2	35429.0	+5845.1
432	9.5	20711.8	+5850.7	522	9.5	23851.2	+5853.2	612	9.0	31955.6	+5811.8	702	9.5	35456.0	+5803.8
433	9.4	20736.1	+5841.8	523	8.5	23859.0	+5836.9	613	9.5	32018.1	+5830.7	703	9.5	35513.8	+5821.8
434	9.4	20737.3	+5813.4	524	9.4	24206.5	+5855.9	614	9.5	32114.0	+5849.0	704	9.3	35556.0	+5829.7
435	9.4	20741.3	+5845.1	525	8.0	24215.3	+5809.2	615	9.5	32116.9	+5836.2	705	9.4	35607.9	+5841.2
436	9.1	20755.7	+5846.0	526	9.1	24234.4	+5800.8	616	9.2	32120.8	+5820.0	706	9.5	35626.0	+5850.9
437	8.7	20758.8	+5842.0	527	9.0	24439.9	+5859.6	617	8.0	32142.8	+5855.8	707	9.5	35713.0	+5848.6
438	9.0	20836.7	+5831.2	528	8.5	24439.4	+5800.8	618	8.2	32154.6	+5816.2	708	7.5	35725.6	+5809.5
439	30.0	20859.9	+5816.7	529	9.4	24459.0	+5845.7	619	7.0	32156.6	+5816.4	709	9.2	35753.1	+5804.1
440	8.5	20909.4	+5837.8	530	9.0	24518.9	+5816.7	620	9.5	32232.5	+5832.6	710	9.4	35759.3	+5831.0
441	9.5	20917.8	+5846.7	531	9.5	24519.4	+5817.0	621	8.9	32257.2	+5852.0	711	9.5	35832.8	+5815.5
442	8.0	20926.3	+5851.4	532	8.2	24526.3	+5833.5	622	9.0	32302.8	+5809.5	712	9.3	35854.0	+5839.6
443	9.5	20936.7	+5823.8	533	8.9	24545.8	+5829.3	623	8.4	32308.3	+5805.5	713	9.3	35907.7	+5804.8
444	9.4	20941.5	+5839.6	534	8.9	24549.5	+5829.0	624	9.5	32339.2	+5816.7	714	9.5	35926.9	+5858.9
445	8.8	20955.6	+5859.6	535	8.8	24552.0	+5800.0	625	9.5	32426.2	+5814.7	715	8.4	35952.8	+5822.8
446	8.5	21021.4	+5855.9	536	9.4	24606.0	+5850.1	626	9.2	32435.0	+5843.3	716	9.4	40028.5	+5829.6
447	9.5	21031.1	+5858.3	537	9.5	24617.5	+5845.7	627	9.5	32438.9	+5846.9	717	9.4	40034.3	+5828.8
448	9.0	21038.3	+5857.6	538	9.0	24718.0	+5838.9	628	9.0	32548.3	+5811.2	718	9.3	40141.9	+5843.0
449	9.0	21047.3	+5858.2	539	9.3	24747.9	+5808.7	629	9.5	32549.1	+5805.5	719	9.4	40144.7	+5851.3
450	7.5	21049.9	+5834.8	540	7.2	24815.4	+5859.9	630	9.0	32719.4	+5849.2	720	9.5	40250.4	+5830.6
451	9.4	21056.9	+5847.2	541	9.3	24858.5	+5858.4	631	7.4	32737.3	+5847.1	721	9.5	40253.1	+5852.2
452	8.7	21115.5	+5806.7	542	9.5	24900.1	+5802.7	632	7.1	32746.0	+5858.2	722	9.3	40322.4	+5825.1
453	9.5	21132.5	+5838.8	543	9.3	24904.5	+5814.7	633	7.8	32751.4	+5853.6	723	9.5	40324.9	+5819.8
454	9.5	21139.6	+5831.3	544	9.1	24910.7	+5846.2	634	9.1	32802.0	+5831.8	724	8.7	40326.6	+5809.3
455	9.0	21141.2	+5853.0	545	9.4	24923.5	+5849.1	635	9.5	32808.9	+5828.5	725	9.5	40351.4	+5835.5
456	7.3	21151.7	+5829.6	546	8.2	25003.5	+5827.1	636	9.5	32817.8	+5823.3	726	9.0	40526.9	+5845.3
457	8.6	21254.2	+5809.7	547	9.3	25024.0	+5845.7	637	6.5	32929.3	+5822.3	727	7.1	40549.3	+5824.7
458	9.4	21302.6	+5817.9	548	9.3	25042.0	+5816.2	638	8.9	33021.6	+5816.5	728	9.1	40554.9	+5843.3
459	9.5	21321.0	+5845.7	549	9.2	25115.2	+5841.3	639	9.5	33032.6	+5815.5	729	9.4	40610.3	+5853.8
460	9.4	21337.5	+5830.5	550	9.5	25211.2	+5804.4	640	9.5	33127.9	+5831.8	730	9.5	40625.3	+5857.3
461	9.5	21357.6	+5833.4	551	7.8	25226.0	+5851.5	641	9.5	33203.9	+5840.3	731	9.4	40705.0	+5859.7
462	9.1	21402.0	+5835.9	552	9.4	25240.8	+5815.8	642	9.5	33208.5	+5828.0	732	9.1	40747.3	+5815.0
463	9.5	21415.5	+5825.0	553	9.5	25304.6	+5800.2	643	9.5	33210.0	+5853.1	733	9.5	40807.2	+5810.9
464	9.5	21447.2	+5848.2	554	8.8	25316.5	+5851.1	644	9.5	33222.1	+5821.3	734	8.8	40814.5	+5814.2
465	9.5	21502.0	+5852.0	555	9.5	25357.7	+5844.7	645	9.5	33229.0	+5816.5	735	9.3	40918.4	+5820.2
466	9.5	21524.5	+5835.4	556	8.2	25549.3	+5801.8	646	8.4	33400.9	+5823.4	736	9.5	40927.3	+5848.2
467	8.0	21618.1	+5812.6	557	9.5	25626.0	+5826.1	647	9.2	33405.1	+5858.8	737	8.7	41132.6	+5808.6
468	8.8	21619.5	+5827.5	558	9.3	25633.2	+5844.4	648	9.3	33428.8	+5822.4	738	8.1	41247.7	+5814.4
469	9.4	21622.1	+5802.9	559	9.4	25642.6	+5844.1	649	9.3	33436.5	+5801.7	739	9.3	41256.1	+5831.4
470	9.5	21636.8	+5848.2	560	8.7	25653.5	+5844.7	650	8.9	33509.2	+5829.9	740	9.5	41343.4	+5848.7
471	7.5	21650.3	+5827.5	561	9.5	25654.5	+5836.8	651	9.3	33530.0	+5817.8	741	8.8	41348.4	+5800.0
472	8.4	21657.4	+5819.6	562	9.1	25740.4	+5847.5	652	9.1	33609.2	+5829.5	742	9.5	41406.9	+5830.6
473	9.5	21725.8	+5819.6	563	8.1	25804.0	+5848.6	653	9.3	33674.6	+5851.6	743	9.2	41417.8	+5856.6
474	9.4	21806.0	+5858.3	564	8.0	25808.5	+5811.3	654	9.4	33717.6	+5825.2	744	9.4	41434.1	+5822.5
475	9.0	21831.1	+5846.7	565	8.8	25815.9	+5800.5	655	9.5	33727.9	+5831.0	745	9.5	41600.7	+5809.4
476	9.2	21928.1	+5826.0	566	9.0	25851.5	+5819.7	656	9.3	33730.3	+5828.3	746	9.4	41604.6	+5802.3
477	9.3	21929.1	+5828.0	567	8.0	25858.1	+5857.9	657	8.8	33746.0	+5818.9	747	8.7	41710.9	+5811.8
478	9.1	21949.0	+5845.7	568	8.9	25936.5	+5859.9	658	9.3	33746.0	+5804.2	748	9.1	41711.9	+5808.5
479	8.4	22044.2	+5811.5	569	8.7	25941.0	+5831.9	659	9.3	33751.6	+5849.9	749	9.3	41714.9	+5802.2
480	9.5	22054.4	+5858.2	570	9.4	30018.0	+5805.4	660	9.5	33814.8	+5830.9	750	8.8	41741.2	+5801.9
481	9.0	22050.0	+5835.9	571	9.4	30026.7	+5822.0	661	9.3	34050.7	+5857.3	751	8.4	41745.1	+5838.6
482	9.5	22123.0	+5826.0	572	8.2	30041.6	+5810.8	662	9.5	34201.7	+5831.6	752	8.4	41747.9	+5819.6
483	9.3	22124.2	+5852.0	573	9.0	30043.8	+5816.3	663	8.8	34231.5	+5813.2	753	8.4	41909.8	+5847.9
484	9.5	22203.5	+5851.6	574	9.3	30146.0	+5823.0	664	9.1	34313.0	+5841.9	754	9.4	42018.4	+5801.0
485	7.0	22318.8	+5834.2	575	9.2	30237.5	+5844.2	665	9.1	34321.7	+5829.1	755	9.3	42029.2	+5855.5
486	8.8	22321.0	+5831.7	576	9.4	30311.5	+5811.3	666	9.5	34333.1	+5832.9	756	9.0	42118.8	+5822.4
487	9.0	22356.0	+5843.7	577	8.8	30316.4	+5826.1	667	9.3	34355.8	+5803.2	757	9.0	42140.3	+5832.2
488	9.5	22400.3	+5853.0	578	9.3	30332.6	+5832.4	668	9.4	34401.5	+5859.6	758	9.0	42308.3	+5818.5
489	9.4	22410.8	+5854.0	579	8.9	30421.8	+5812.2	669	9.5	34412.7	+5819.4	759	9.3	42353.4	+5855.5
490	9.4	22529.5	+5831.0	580	9.1	30510.0	+5843.9	670	9.0	34500.7	+5802.5	760	9.5	42452.9	+5806.6
491	9.0	22543.0	+5826.1	581	8.5	30541.6	+5836.0	671	9.5	34513.8	+5857.1	761	8.8	42619.7	+5821.9
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989	9.0	62615.2	+5722.0	1079	9.5	71745.2	+5725.1	1169	7.7	83441.0	+5757.3	1258	8.4	100632.4	+5714.8
990	9.5	62641.5	+5740.6	1080	8.4	71746.8	+5715.7	1170	9.2	83456.5	+5725.9	1259	8.2	100643.2	+5728.8
991	9.0	62740.6	+5752.2	1081	9.3	71953.5	+5713.2	1171	9.5	83553.6	+5710.9	1260	8.5	100704.3	+5737.6
992	9.5	62752.7	+5730.3	1082	9.4	71957.7	+5721.1	1172	9.5	83743.5	+5753.1	1261	9.2	100758.9	+5731.8
993	9.4	63016.6	+5748.5	1083	7.5	72157.3	+5733.8	1173	9.5	83823.5	+5735.5	1262	9.5	101005.8	+5758.4
994	9.0	63024.0	+5717.9	1084	9.2	72212.3	+5754.5	1174	9.4	83825.0	+5748.9	1263	8.9	101027.6	+5720.4
995	9.0	63043.0	+5728.9	1085	7.5	72447.4	+5709.8	1175	9.5	83930.2	+5753.1	1264	9.5	101135.1	+5708.2
996	9.2	63056.2	+5736.2	1086	8.0	72448.5	+5753.0	1176	8.7	84138.0	+5704.5	1265	9.5	101220.5	+5720.4
997	9.0	63057.0	+5707.7	1087	8.0	72506.9	+5746.1	1177	9.1	84212.9	+5722.6	1266	8.0	101403.1	+5715.0
998	9.0	63118.0	+5725.4	1088	9.2	72632.5	+5729.9	1178	8.3	84254.0	+5749.2	1267	9.3	101433.2	+5752.4
999	9.0	63150.0	+5715.9	1089	9.3	72707.8	+5747.8	1179	8.2	84354.3	+5757.8	1268	9.5	101645.5	+5720.9
1000	8.6	63201.3	+5713.8	1090	9.3	72718.0	+5741.3	1180	9.5	84448.5	+5700.1	1269	8.4	101729.1	+5713.7
1001	7.2	63204.0	+5703.3	1091	9.0	72737.9	+5706.9	1181	9.0	84519.7	+5710.8	1270	8.6	101806.0	+5737.3
1002	9.0	63253.1	+5738.1	1092	7.5	72805.5	+5734.9	1182	6.7	84552.2	+5725.6	1271	8.5	102101.3	+5706.3
1003	8.0	63409.2	+5755.9	1093	6.3	72848.0	+5724.5	1183	9.3	84612.9	+5757.1	1272	7.8	102117.1	+5718.9
1004	6.1	63426.8	+5718.6	1094	9.5	73015.2	+5758.7	1184	9.4	84628.0	+5747.9	1273	9.3	102130.8	+5735.1
1005	8.5	63449.3	+5724.9	1095	8.4	73027.2	+5707.9	1185	9.3	84834.1	+5738.0	1274	9.5	102216.1	+5751.4
1006	8.7	63455.6	+5747.8	1096	9.5	73043.8	+5741.3	1186	9.1	84927.7	+5702.7	1275	9.0	102434.5	+5710.6
1007	9.4	63601.8	+5756.5	1097	8.5	73105.5	+5750.6	1187	9.5	85000.5	+5723.1	1276	9.2	102439.3	+5755.0
1008	8.3	63801.1	+5701.8	1098	8.5	73204.0	+5708.8	1188	9.5	85146.8	+5716.7	1277	5.0	102550.4	+5749.9
1009	9.3	63805.0	+5735.3	1099	9.3	73219.9	+5735.4	1189	8.7	85251.1	+5754.3	1278	6.5	102807.1	+5711.1
1010	8.5	63826.3	+5721.6	1100	9.3	73255.5	+5716.2	1190	9.3	85300.5	+5707.6	1279	9.3	102810.3	+5723.9
1011	8.2	63831.0	+5747.8	1101	9.5	73330.0	+5718.5	1191	9.4	85400.4	+5756.6	1280	9.4	102819.6	+5733.6
1012	8.0	63939.8	+5718.6	1102	9.0	73452.7	+5707.4	1192	9.3	85523.2	+5738.0	1281	9.0	102826.4	+5740.0
1013	9.1	64003.8	+5731.4	1103	9.3	73621.0	+5731.9	1193	9.0	85532.9	+5742.0	1282	8.3	102911.1	+5750.7
1014	9.1	64010.1	+5751.5	1104	8.9	73621.4	+5712.8	1194	8.7	85544.4	+5753.3	1283	9.4	103131.4	+5717.9
1015	9.5	64029.9	+5731.4	1105	8.0	73627.4	+5708.3	1195	9.5	85562.0	+5703.4	1284	9.5	103321.1	

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1300	9.0	105124.1	+5747.9	1390	8.6	123657.3	+5755.6	1480	9.5	135749.5	+5700.1	1570	9.5	151449.8	+5719.6
1301	9.0	105133.8	+5713.1	1391	8.4	123945.8	+5730.9	1481	9.3	135827.5	+5721.2	1571	8.3	151455.8	+5728.4
1302	2.3	105305.5	+5709.6	1392	8.5	124109.3	+5747.1	1482	9.4	135840.6	+5717.3	1572	9.4	151632.4	+5724.6
1303	9.2	105439.8	+5725.3	1393	9.0	124145.4	+5706.5	1483	8.7	135847.5	+5708.0	1573	9.5	151636.4	+5758.0
1304	9.3	105509.3	+5757.8	1394	8.6	124415.4	+5738.2	1484	9.3	135909.0	+5721.6	1574	9.3	151703.1	+5724.8
1305	9.4	105520.7	+5756.6	1395	9.5	124500.3	+5726.0	1485	9.3	135910.3	+5718.8	1575	9.5	151706.4	+5715.4
1306	8.3	105604.6	+5746.5	1396	8.8	124604.8	+5725.5	1486	9.1	135923.5	+5740.9	1576	8.5	151707.1	+5718.6
1307	8.0	105759.1	+5748.5	1397	8.9	124721.8	+5713.1	1487	7.0	140023.5	+5711.9	1577	9.4	151833.7	+5701.8
1308	9.2	110152.1	+5717.4	1398	8.7	124734.2	+5736.4	1488	9.4	140103.7	+5721.2	1578	8.0	151837.1	+5726.9
1309	7.3	110419.1	+5711.4	1399	9.0	124858.6	+5747.6	1489	9.4	140159.8	+5753.3	1579	9.5	151840.5	+5756.0
1310	9.5	110545.6	+5758.8	1400	8.7	124918.8	+5753.5	1490	8.5	140231.3	+5724.1	1580	9.5	152008.9	+5728.5
1311	9.5	110752.3	+5706.1	1401	9.1	125002.3	+5724.5	1491	9.5	140404.2	+5739.9	1581	9.3	152056.6	+5754.7
1312	9.5	110835.7	+5718.0	1402	9.1	125029.7	+5754.8	1492	8.5	140536.4	+5727.6	1582	8.9	152105.0	+5722.5
1313	9.5	111001.3	+5714.6	1403	8.8	125124.9	+5721.1	1493	9.3	140542.8	+5738.0	1583	8.8	152146.8	+5723.4
1314	9.0	111048.4	+5705.4	1404	9.5	125208.3	+5756.5	1494	9.5	140622.5	+5700.1	1584	9.2	152251.3	+5715.6
1315	8.3	111152.0	+5724.0	1405	9.2	125209.4	+5752.2	1495	9.3	140815.3	+5738.0	1585	9.3	152305.8	+5755.0
1316	6.5	111330.6	+5752.5	1406	9.0	125222.5	+5744.1	1496	9.0	141100.5	+5720.7	1586	9.5	152334.9	+5750.0
1317	9.5	111343.0	+5702.5	1407	9.4	125234.2	+5725.8	1497	9.5	141105.8	+5706.0	1587	8.8	152346.0	+5708.3
1318	9.3	111428.4	+5718.7	1408	5.0	125432.0	+5707.9	1498	6.5	141117.3	+5721.7	1588	9.3	152451.9	+5703.9
1319	9.3	111656.5	+5740.2	1409	9.2	125512.2	+5749.6	1499	6.5	141127.4	+5721.6	1589	9.3	152519.4	+5706.8
1320	9.5	111706.9	+5706.8	1410	7.2	125528.8	+5744.1	1500	9.3	141244.2	+5703.0	1590	6.9	152531.6	+5756.3
1321	9.5	111709.5	+5758.8	1411	8.8	125533.8	+5742.8	1501	9.4	141444.7	+5750.2	1591	8.5	152808.3	+5740.7
1322	9.5	111842.8	+5716.5	1412	9.2	125550.3	+5741.0	1502	9.2	141524.0	+5709.4	1592	9.4	152852.9	+5743.6
1323	7.8	111924.7	+5722.5	1413	8.8	125629.0	+5711.7	1503	8.9	141532.5	+5719.2	1593	9.5	153036.9	+5743.6
1324	6.5	112134.4	+5721.9	1414	8.3	125630.3	+5707.8	1504	8.3	141602.8	+5735.0	1594	9.5	153119.8	+5703.8
1325	8.6	112213.4	+5733.2	1415	9.1	125810.6	+5702.6	1505	7.8	141610.3	+5750.9	1595	9.5	153202.0	+5744.6
1326	7.2	112235.1	+5732.4	1416	9.4	125810.6	+5702.6	1506	8.5	141749.4	+5732.5	1596	9.4	153230.9	+5747.1
1327	7.2	112319.2	+5756.8	1417	7.0	130021.4	+5747.7	1507	9.5	141826.8	+5708.5	1597	9.0	153309.8	+5724.5
1328	9.1	112355.1	+5751.0	1418	9.5	130328.0	+5759.4	1508	9.5	141923.3	+5711.4	1598	7.9	153526.6	+5759.3
1329	9.2	112553.4	+5706.4	1419	6.8	130336.8	+5736.3	1509	8.9	142008.3	+5729.0	1599	9.1	153533.0	+5754.6
1330	9.1	112743.5	+5729.8	1420	9.5	130439.3	+5735.8	1510	8.3	142316.2	+5736.0	1600	7.0	153538.2	+5755.7
1331	8.4	112809.5	+5738.2	1421	9.0	130511.3	+5723.5	1511	8.3	142331.5	+5745.8	1601	8.9	153614.4	+5738.2
1332	8.5	112859.4	+5748.5	1422	9.5	130602.1	+5709.1	1512	8.5	142446.8	+5747.8	1602	9.0	153658.3	+5744.2
1333	9.2	113342.0	+5730.4	1423	9.5	130708.8	+5750.1	1513	8.7	142537.1	+5717.0	1603	9.5	154013.0	+5745.6
1334	9.1	113349.4	+5715.2	1424	8.3	130731.4	+5725.5	1514	9.0	142627.3	+5709.9	1604	9.1	154050.4	+5708.2
1335	9.5	113402.5	+5735.3	1425	7.0	130741.2	+5728.0	1515	9.1	142655.8	+5718.3	1605	9.1	154117.9	+5747.6
1336	8.9	113534.6	+5745.6	1426	8.5	130807.7	+5735.4	1516	9.5	142846.8	+5727.6	1606	9.3	154147.3	+5723.5
1337	9.5	113652.2	+5757.4	1427	9.0	130821.3	+5738.8	1517	9.5	142907.4	+5703.5	1607	7.5	154229.6	+5742.1
1338	9.4	113851.0	+5706.8	1428	9.0	130851.4	+5746.7	1518	9.4	142940.3	+5709.0	1608	8.0	154322.0	+5713.1
1339	8.5	114501.0	+5735.3	1429	9.5	130916.4	+5726.6	1519	6.3	142952.2	+5742.3	1609	9.4	154323.8	+5717.3
1340	9.5	114546.5	+5754.5	1430	9.5	131008.4	+5724.0	1520	8.7	143044.0	+5703.7	1610	9.3	154414.2	+5703.8
1341	7.8	114555.4	+5707.3	1431	9.5	131009.2	+5705.4	1521	7.8	143213.8	+5719.7	1611	9.0	154559.3	+5734.7
1342	9.3	114651.1	+5743.7	1432	8.1	131019.6	+5751.4	1522	9.3	143321.2	+5752.6	1612	9.5	154626.5	+5749.5
1343	6.0	114824.1	+5723.6	1433	8.5	131151.3	+5710.3	1523	9.5	143323.7	+5749.8	1613	9.5	154639.2	+5724.9
1344	9.5	114935.7	+5704.0	1434	9.0	131505.8	+5743.6	1524	9.1	143436.6	+5728.2	1614	9.3	154728.1	+5733.2
1345	8.1	114967.5	+5755.4	1435	8.9	131620.1	+5755.1	1525	9.3	143537.0	+5713.6	1615	7.3	154818.2	+5735.2
1346	8.7	114953.2	+5744.1	1436	9.5	131707.2	+5754.9	1526	9.5	143604.0	+5749.0	1616	9.5	154940.0	+5734.9
1347	9.5	115111.0	+5710.3	1437	9.5	131724.7	+5743.9	1527	9.4	143616.8	+5733.7	1617	9.5	154951.5	+5725.4
1348	9.5	115528.5	+5745.2	1438	8.0	132010.9	+5743.5	1528	9.4	143705.4	+5745.1	1618	9.4	155009.1	+5752.7
1349	9.4	115656.2	+5733.8	1439	9.4	132104.9	+5704.1	1529	8.8	143805.0	+5707.9	1619	9.5	155217.0	+5710.6
1350	9.5	115718.8	+5721.1	1440	9.3	132134.7	+5736.1	1530	9.5	144042.4	+5738.7	1620	8.5	155255.0	+5743.0
1351	9.5	115721.5	+5736.2	1441	8.7	132224.4	+5755.6	1531	9.5	144049.4	+5728.0	1621	9.0	155325.5	+5742.0
1352	8.8	115722.5	+5737.7	1442	9.2	132308.5	+5716.2	1532	9.5	144213.3	+5754.9	1622	9.4	155404.5	+5704.3
1353	9.4	115732.7	+5739.1	1443	9.5	132408.8	+5750.3	1533	6.3	144213.3	+5713.2	1623	9.5	155410.6	+5732.7
1354	8.8	115813.9	+5748.0	1444	9.0	132617.3	+5740.0	1534	8.8	144350.5	+5757.6	1624	9.5	155416.6	+5704.7
1355	9.3	120007.0	+5718.8	1445	9.0	132626.7	+5733.5	1535	9.5	144441.0	+5702.5	1625	9.5	155424.5	+5753.8
1356	8.6	120040.0	+5722.5	1446	8.5	132715.3	+5713.9	1536	8.0	144501.9	+5730.8	1626	9.5	155514.0	+5726.9
1357	8.4	120356.5	+5729.5	1447	8.8	132854.2	+5732.6	1537	9.2	144516.5	+5729.3	1627	9.0	155523.1	+5748.9
1358	9.3	120412.5	+5758.9	1448	9.2	132932.3	+5706.1	1538	9.4	144524.2	+5753.6	1628	9.0	155637.0	+5749.6
1359	6.5	120430.4	+5752.2	1449	9.5	133015.8	+5710.5	1539	9.5	144828.9	+5714.6	1629	9.0	155649.0	+5736.3
1360	8.9	120447.5	+5754.4	1450	8.3	133128.4	+5708.1	1540	9.3	144954.8	+5740.3	1630	9.5	155856.5	+5735.2
1361	9.5	120640.6	+5722.1	1451	9.5	133146.9	+5733.5	1541	9.1	145009.3	+5745.5	1631	9.5	155922.2	+5728.4
1362	9.5	120734.9	+5704.5	1452	9.5	133202.3	+5737.0	1542	8.8	145132.4	+5735.3	1632	9.3	155929.1	+5723.3
1363	3.3	120813.5	+5750.5	1453	9.5	133204.3	+5751.2	1543	9.3	145242.9	+5744.6	1633	8.5	160006.7	+5749.0
1364	7.5	120941.0	+5706.3	1454	8.3	133230.3	+5711.0	1544	8.8	145247.3	+5738.1	1634	9.5	160014.5	+5715.6
1365	9.4	121132.8	+5756.4	1455	9.4	133425.4	+5757.9	1545	9.0	145401.6	+5721.1	1635	9.5	160028.0	+5731.8
1366	8.7	121147.9	+5710.7	1456	6.1	133504.0	+5756.1	1546	9.2	145442.8	+5720.5	1636	8.6	160246.5	+5700.4
1367	9.2	121203.4	+5744.7	1457	9.4	133504.5	+5702.4	1547	9.4	145455.4	+5731.4	1637	8.6	160246.5	+5706.2
1368	9.3	121314.4	+5737.3	1458	9.0	133536.7	+5718.2	1548	9.5	145724.8	+5714.7	1638	9.5	160302.6	+5716.1
1369	9.1	121415.5	+5747.5	1459	8.5	133553.7	+5727.6	1549	9.5	145732.0	+5759.7	1639	8.1	160333.0	+5758.7
1370	9.3	121450.7	+5740.2	1460	9.5	133750.8	+5748.7	1550	9.5	145811.9	+5756.7	1640	9.3	160406.3	+5759.1
1371	9.4	121606.6	+5710.8	1461	9.5	134058.2	+5738.0	1551	9.5	150111.4	+5748.1	1641	9.3	160411.0	+5720.0
1372	8.8	121801.9	+5757.9	1462	9.5	134152.3	+5727.1	1552							

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948	9.1	42546.7	+5643.1	1038	9.4	52248.9	+5657.8	1128	8.5	61756.4	+5615.2	1218	8.5	71854.4	+5633.8
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950	8.7	42602.2	+5630.2	1040	8.3	52400.5	+5617.7	1130	9.0	62154.3	+5644.7	1220	9.5	72101.0	+5659.0
951	9.5	42637.3	+5637.8	1041	7.3	52512.8	+5622.8	1131	6.8	62302.0	+5601.6	1221	9.5	72101.4	+5609.0
952	9.5	42640.5	+5654.4	1042	8.3	52638.2	+5651.7	1132	9.4	62323.7	+5620.3	1222	9.5	72207.8	+5634.3
953	9.5	42644.8	+5640.0	1043	9.5	52645.0	+5641.0	1133	9.2	62339.8	+5657.2	1223	8.7	72252.8	+5643.2
954	8.0	42701.1	+5620.5	1044	6.9	52652.6	+5616.3	1134	6.8	62348.5	+5629.4	1224	9.5	72358.3	+5628.3
955	9.0	42708.4	+5619.7	1045	9.5	52801.8	+5649.8	1135	9.2	62427.0	+5615.4	1225	9.5	72358.6	+5633.7
956	9.5	42834.9	+5614.0	1046	9.3	52854.5	+5651.3	1136	6.2	62519.0	+5658.7	1226	8.0	72419.5	+5642.3
957	8.7	42840.8	+5658.4	1047	9.5	52915.5	+5640.0	1137	8.7	62603.9	+5600.6	1227	6.0	72458.2	+5604.7
958	9.0	42842.5	+5653.9	1048	9.5	53031.9	+5647.9	1138	9.1	62609.5	+5654.0	1228	9.5	72645.8	+5620.5
959	9.2	42900.1	+5628.8	1049	9.3	53037.3	+5606.2	1139	9.0	62827.0	+5659.8	1229	9.5	72754.4	+5632.6
960	9.5	42955.1	+5649.5	1050	6.5	53045.8	+5630.6	1140	7.5	62848.5	+5612.4	1230	8.6	72904.5	+5648.6
961	9.3	43016.5	+5636.9	1051	9.4	53115.3	+5656.8	1141	9.5	63015.9	+5641.2	1231	9.2	72931.3	+5616.5
962	9.5	43026.1	+5619.3	1052	9.2	53212.7	+5610.0	1142	9.4	63020.2	+5605.4	1232	9.2	73127.3	+5632.9
963	8.8	43048.9	+5619.8	1053	9.0	53236.0	+5645.7	1143	8.1	63036.0	+5649.2	1233	9.5	73153.8	+5606.2
964	8.0	43053.5	+5654.9	1054	9.5	53238.8	+5604.6	1144	9.0	63053.2	+5608.0	1234	9.3	73155.2	+5618.9
965	9.4	43125.6	+5625.4	1055	9.3	53330.7	+5644.7	1145	9.1	63054.9	+5608.9	1235	8.3	73331.7	+5629.2
966	9.5	43159.5	+5619.8	1056	9.0	53339.5	+5639.2	1146	9.5	63123.5	+5625.9	1236	8.5	73333.2	+5658.0
967	9.3	43202.4	+5654.4	1057	9.5	53350.8	+5618.7	1147	8.8	63138.8	+5617.4	1237	9.3	73544.5	+5632.4
968	9.3	43259.0	+5601.5	1058	6.1	53418.8	+5602.5	1148	9.5	63158.5	+5641.7	1238	8.2	73549.0	+5625.6
969	8.4	43348.5	+5653.9	1059	6.6	53433.0	+5650.6	1149	8.3	63212.0	+5600.2	1239	8.0	73553.7	+5619.1
970	9.4	43415.3	+5629.1	1060	9.0	53454.5	+5627.0	1150	9.5	63322.5	+5607.6	1240	8.5	73757.8	+5620.0
971	9.0	43439.6	+5619.6	1061	8.6	53458.9	+5622.1	1151	9.5	63326.8	+5635.3	1241	8.6	73917.6	+5644.7
972	9.0	43539.9	+5659.8	1062	8.7	53649.0	+5652.1	1152	9.3	63523.0	+5635.8	1242	9.3	73943.5	+5650.6
973	5.8	43557.7	+5629.9	1063	9.5	53709.2	+5631.5	1153	9.5	63537.6	+5617.8	1243	9.5	73952.5	+5655.0
974	9.5	43737.0	+5601.3	1064	9.5	53750.0	+5631.0	1154	9.0	63636.2	+5606.3	1244	9.0	73956.5	+5613.6
975	8.5	43754.4	+5618.7	1065	6.6	53812.5	+5651.6	1155	9.2	63746.8	+5641.9	1245	9.4	74020.6	+5656.5
976	7.3	43846.4	+5616.2	1066	9.1	53842.4	+5619.2	1156	9.3	63753.5	+5619.8	1246	9.3	74108.2	+5608.6
977	8.7	43912.5	+5655.4	1067	9.3	53849.9	+5632.7	1157	9.4	63812.9	+5640.3	1247	9.0	74134.8	+5619.4
978	9.3	43935.7	+5620.8	1068	9.5	53850.5	+5646.7	1158	8.8	63830.8	+5628.2	1248	9.5	74138.5	+5600.7
979	9.5	43956.2	+5629.4	1069	9.0	53852.5	+5620.0	1159	9.0	63859.0	+5610.4	1249	8.9	74202.3	+5619.4
980	7.6	44003.5	+5610.0	1070	9.5	53905.8	+5600.0	1160	9.5	64000.3	+5600.4	1250	9.5	74254.0	+5654.0
981	9.0	44049.4	+5636.0	1071	9.3	53918.4	+5601.5	1161	9.5	64142.1	+5637.4	1251	9.5	74432.4	+5643.8
982	9.0	44205.9	+5640.0	1072	9.5	54006.8	+5622.6	1162	9.5	64147.2	+5658.0	1252	9.2	74433.0	+5629.0
983	9.3	44321.5	+5628.7	1073	8.5	54019.7	+5601.5	1163	9.0	64209.8	+5657.6	1253	7.0	74440.0	+5652.7
984	9.4	44325.0	+5609.4	1074	9.5	54048.5	+5639.9	1164	8.3	64254.5	+5607.1	1254	8.6	74502.4	+5637.2
985	8.9	44330.9	+5630.9	1075	9.5	54050.4	+5635.8	1165	8.5	64331.9	+5648.1	1255	8.5	74510.5	+5623.0
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987	9.1	44449.7	+5627.2	1077	7.8	54141.2	+5659.5	1167	9.2	64523.3	+5653.0	1257	8.5	74623.9	+5623.5
988	9.0	44523.5	+5624.3	1078	8.6	54210.5	+5610.8	1168	9.0	64560.5	+5608.5	1258	9.4	74740.5	+5653.5
989	8.5	44657.3	+5622.0	1079	9.4	54238.5	+5600.7	1169	9.3	64600.8	+5650.7	1259	9.2	74913.8	+5658.4
990	9.5	44717.1	+5629.8	1080	8.4	54442.5	+5656.0	1170	8.7	64649.3	+5659.5	1260	9.1	74942.5	+5642.1
991	9.3	44838.9	+5619.8	1081	9.5	54623.9	+5638.4	1171	8.0	64802.0	+5618.0	1261	9.3	74949.1	+5635.4
992	9.5	44855.3	+5615.0	1082	9.5	54759.0	+5618.7	1172	9.1	64815.0	+5624.2	1262	8.9	74956.2	+5602.8
993	7.8	44904.6	+5602.7	1083	7.5	54815.0	+5653.2	1173	8.5	65159.8	+5638.3	1263	9.3	75005.0	+5636.1
994	8.0	44934.9	+5653.9	1084	9.5	54919.5	+5650.1	1174	8.6	65159.5	+5627.6	1264	8.5	75009.0	+5613.5
995	9.5	44945.4	+5636.6	1085	9.5	55014.3	+5612.8	1175	9.4	65409.4	+5638.0	1265	9.1	75216.7	+5629.2
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998	9.0	45133.9	+5627.8	1088	9.5	55188.6	+5603.4	1178	9.3	65550.1	+5611.9	1268	9.5	75754.0	+5635.2
999	9.5	45312.4	+5641.0	1089	9.4	55518.3	+5606.4	1179	9.1	65606.3	+5631.0	1269	7.9	75841.1	+5613.4
1000	9.5	45317.5	+5656.9	1090	8.5	55619.3	+5610.1	1180	7.8	65608.0	+5605.1	1270	9.1	75852.5	+5607.2
1001	8.0	45407.4	+5624.3	1091	8.0	55650.9	+5612.5	1181	9.3	65631.9	+5624.5	1271	9.5	75912.0	+5643.2
1002	8.8	45427.1	+5641.6	1092	8.9	55700.3	+5623.1	1182	9.5	65739.2	+5636.4	1272	8.8	75917.4	+5636.8
1003	9.5	45500.0	+5606.5	1093	8.0	55744.0	+5617.0	1183	8.5	65809.8	+5640.3	1273	9.0	75951.3	+5629.8
1004	9.3	45527.0	+5648.6	1094	9.5	55821.9	+5610.3	1184	9.5	65824.7	+5633.8	1274	8.9	80100.4	+5627.2
1005	8.5	45634.4	+5621.3	1095	9.5	55922.0	+5635.3	1185	8.8	65836.9	+5651.2	1275	8.0	80130.3	+5603.7
1006	9.5	45654.0	+5655.0	1096	8.8	55943.4	+5611.7	1186	9.5	65904.0	+5610.9	1276	6.8	80145.9	+5657.9
1007	8.0	45757.8	+5631.2	1097	9.5	60059.4	+5603.0	1187	9.5	65923.9	+5649.1	1277	9.1	80158.3	+5618.5
1008	8.1	45758.7	+5640.1	1098	9.5	60204.1	+5633.3	1188	8.3	65923.4	+5631.0	1278	5.7	80214.9	+5652.9
1009	9.2	45802.1	+5616.5	1099	9.5	60234.2	+5621.5	1189	9.2	65951.5	+5613.5	1279	9.5	80259.8	+5645.6
1010	8.0	45804.4	+5652.7	1100	7.3	60354.0	+5657.9	1190	8.7	65955.9	+5619.2	1280	9.4	80340.2	+5604.7
1011	9.3	45853.0	+5649.9	1101	7.0	60406.0	+5644.7	1191	7.7	70053.5	+5602.1	1281	9.5	80345.4	+5624.5
1012	9.3	50003.6	+5639.3	1102	9.5	60508.9	+5605.4	1192	9.0	70117.8	+5649.1	1282	9.4	80511.4	+5658.6
1013	9.0	50136.2	+5632.2	1103	9.5	60528.3	+5658.3	1193	9.2	70129.5	+5642.0	1283	9.5	80515.0	+5654.5
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1015	9.5	50244.0	+5645.3	1105	9.5	60624.7	+5639.2	1195	9.3	70247.3	+5632.9	1285	9.2	80641.2	+5642.3
1016	9.5	50421.5	+5635.9	1106	6.8	60652.9	+5634.2	1196	9.5	70405.9	+5632.5	1286	9.5	80709.8	+5654.0
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1018	9.5	50428.3	+5608.8	1108	8.0	60716.3	+5617.2	1198	9.0	70651.6	+5617.4	1288	8.9	80747.4	+5654.0
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*56 2022 17h45m

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2022 9.5 174541.7 +5653.8

+56 2023 17h46m

2023	9.4	174646.0	+5631.1	2113	5.4	183004.0	+5656.2	2203	9.3	190801.3	+5651.7	2293	9.2	194059.3	+5656.8
2024	7.5	174704.7	+5652.3	2114	9.4	183008.0	+5609.8	2204	9.3	190804.0	+5656.7	2294	9.3	194127.3	+5623.2
2025	9.0	174811.3	+5619.9	2115	9.0	183025.5	+5603.0	2205	9.4	190813.7	+5620.3	2295	9.0	194148.9	+5626.2
2026	9.4	174818.2	+5655.0	2116	9.5	183055.2	+5629.9	2206	9.4	190829.8	+5657.0	2296	9.3	194210.5	+5623.7
2027	9.5	174818.7	+5641.0	2117	9.4	183142.6	+5630.7	2207	8.5	190845.9	+5612.1	2297	8.0	194219.4	+5659.8
2028	7.2	174908.0	+5609.0	2118	9.2	183210.3	+5616.7	2208	9.1	190856.6	+5616.6	2298	9.5	194310.1	+5625.6
2029	8.3	174911.1	+5638.4	2119	9.5	183247.8	+5638.6	2209	5.5	190856.6	+5637.5	2299	9.2	194317.5	+5628.4
2030	9.2	174919.3	+5604.6	2120	9.4	183410.0	+5656.4	2210	9.0	190923.3	+5646.8	2300	9.3	194324.8	+5627.2
2031	9.1	175052.2	+5618.3	2121	9.5	183448.5	+5640.2	2211	8.7	191022.7	+5642.5	2301	9.5	194415.2	+5624.2
2032	9.4	175053.3	+5617.0	2122	9.3	183504.7	+5629.0	2212	9.4	191035.9	+5652.7	2302	9.1	194418.1	+5601.6
2033	3.5	175101.7	+5654.0	2123	9.2	183546.1	+5632.7	2213	9.5	191111.9	+5637.0	2303	7.5	194429.0	+5644.6
2034	8.1	175108.0	+5625.1	2124	9.4	183550.5	+5629.7	2214	9.0	191121.1	+5649.5	2304	7.0	194430.0	+5632.6
2035	9.5	175129.8	+5639.4	2125	8.8	183831.2	+5638.9	2215	9.1	191146.9	+5609.5	2305	9.0	194450.7	+5652.3
2036	9.1	175134.9	+5647.3	2126	9.5	183845.0	+5648.7	2216	9.4	191154.0	+5658.1	2306	7.2	194529.6	+5608.2
2037	9.3	175152.5	+5656.6	2127	9.1	184013.5	+5604.1	2217	8.9	191154.9	+5656.3	2307	9.3	194535.3	+5611.9
2038	9.2	175243.3	+5606.5	2128	8.3	184033.7	+5640.5	2218	9.0	191258.3	+5627.1	2308	9.0	194537.8	+5640.6
2039	9.5	175249.6	+5620.3	2129	9.3	184038.1	+5627.0	2219	8.1	191308.8	+5610.6	2309	8.5	194549.7	+5630.7
2040	9.5	175251.2	+5646.2	2130	8.8	184111.1	+5643.8	2220	9.3	191443.4	+5613.6	2310	9.4	194647.5	+5603.4
2041	8.5	175316.6	+5602.7	2131	8.5	184153.4	+5632.3	2221	9.5	191513.5	+5604.2	2311	9.1	194724.2	+5614.2
2042	9.0	175413.3	+5653.8	2132	8.5	184154.7	+5638.3	2222	9.1	191528.9	+5631.0	2312	9.0	194729.7	+5604.3
2043	9.5	175509.0	+5612.4	2133	9.1	184219.6	+5626.6	2223	9.5	191536.8	+5651.0	2313	9.3	194740.2	+5610.9
2044	8.7	175641.1	+5645.3	2134	8.2	184222.3	+5656.6	2224	9.4	191546.8	+5627.5	2314	9.2	194745.8	+5644.6
2045	9.2	175653.8	+5643.6	2135	9.5	184231.8	+5602.8	2225	9.1	191557.4	+5602.6	2315	9.2	194805.4	+5658.8
2046	9.5	175726.9	+5610.0	2136	7.5	184233.8	+5657.2	2226	7.7	191559.0	+5645.5	2316	9.5	194842.1	+5601.3
2047	9.2	175730.5	+5603.3	2137	9.4	184311.0	+5634.8	2227	9.5	191602.8	+5626.9	2317	9.3	194859.7	+5634.7
2048	8.8	175739.0	+5657.2	2138	9.5	184325.9	+5623.4	2228	9.5	191602.8	+5627.6	2318	9.5	194925.0	+5658.3
2049	9.2	175742.6	+5641.8	2139	9.5	184337.0	+5620.5	2229	9.0	191622.1	+5651.0	2319	9.0	194950.5	+5610.3
2050	9.2	175745.1	+5636.9	2140	9.5	184342.0	+5620.5	2230	9.4	191730.3	+5639.3	2320	8.4	194950.7	+5631.1
2051	8.4	175759.7	+5627.3	2141	9.5	184343.8	+5647.7	2231	8.8	191732.1	+5636.0	2321	9.4	195058.5	+5639.1
2052	8.2	175847.2	+5657.9	2142	9.5	184415.8	+5642.7	2232	8.8	191747.8	+5659.1	2322	9.3	195138.6	+5621.9
2053	9.5	175850.4	+5650.5	2143	8.7	184507.9	+5613.7	2233	5.5	191911.3	+5645.1	2323	9.2	195215.0	+5609.9
2054	9.5	175904.8	+5632.0	2144	9.5	184544.8	+5605.3	2234	9.5	191932.0	+5612.1	2324	9.5	195230.0	+5655.8
2055	9.5	175909.6	+5642.3	2145	9.4	184620.5	+5635.7	2235	9.1	191941.9	+5658.9	2325	9.5	195237.0	+5656.8
2056	9.5	175916.9	+5628.0	2146	9.5	184709.8	+5634.3	2236	8.3	191956.6	+5637.5	2326	9.5	195242.3	+5657.8
2057	9.5	175920.2	+5620.1	2147	9.3	184729.2	+5608.8	2237	8.3	191959.8	+5619.6	2327	9.3	195249.0	+5650.8
2058	9.1	180013.8	+5622.0	2148	8.7	184750.0	+5627.2	2238	8.0	192008.3	+5643.8	2328	8.8	195257.0	+5622.2
2059	9.5	180014.0	+5639.4	2149	9.5	184819.7	+5659.7	2239	9.5	192142.4	+5616.1	2329	8.0	195258.1	+5630.2
2060	8.0	180021.2	+5625.3	2150	8.3	184822.2	+5607.5	2240	9.0	192154.5	+5654.0	2330	9.3	195304.7	+5654.3
2061	7.2	180022.6	+5623.2	2151	9.0	184830.9	+5627.2	2241	8.8	192319.3	+5603.6	2331	6.3	195310.8	+5617.7
2062	7.5	180053.3	+5654.2	2152	9.2	184833.6	+5608.3	2242	9.5	192342.2	+5622.5	2332	9.5	195356.0	+5614.8
2063	9.5	180200.0	+5604.2	2153	8.8	184840.0	+5620.3	2243	9.1	192350.1	+5658.4	2333	9.4	195406.4	+5656.9
2064	9.0	180215.8	+5647.8	2154	9.4	184845.6	+5604.3	2244	9.1	192353.9	+5623.4	2334	8.9	195453.1	+5609.5
2065	9.3	180430.0	+5620.3	2155	8.5	184849.3	+5657.7	2245	8.1	192408.3	+5635.5	2335	9.5	195502.9	+5624.4
2066	9.5	180430.0	+5635.9	2156	8.5	184937.4	+5619.7	2246	8.6	192424.1	+5648.0	2336	9.0	195630.7	+5644.8
2067	9.1	180431.7	+5605.6	2157	9.1	184952.2	+5642.9	2247	9.3	192438.0	+5649.9	2337	9.1	195637.6	+5652.9
2068	8.1	180500.3	+5646.7	2158	9.5	185002.6	+5603.3	2248	9.4	192710.1	+5652.3	2338	9.1	195638.2	+5655.2
2069	9.5	180549.6	+5607.7	2159	9.0	185023.5	+5612.7	2249	9.0	192716.4	+5658.1	2339	9.5	195709.0	+5600.8
2070	8.4	180635.9	+5601.4	2160	9.4	185053.0	+5638.5	2250	6.9	192718.2	+5620.4	2340	9.5	195857.8	+5619.4
2071	9.2	180714.0	+5627.7	2161	8.2	185128.5	+5601.8	2251	9.1	192728.6	+5619.9	2341	9.1	195902.2	+5642.4
2072	7.5	180728.0	+5613.9	2162	9.1	185133.2	+5626.4	2252	8.0	192729.9	+5653.4	2342	9.1	195903.4	+5626.3
2073	9.2	180910.1	+5618.4	2163	9.3	185221.9	+5609.3	2253	9.2	192741.0	+5644.6	2343	9.5	195945.7	+5614.4
2074	9.4	180914.3	+5641.6	2164	8.0	185323.2	+5627.2	2254	9.1	192750.8	+5647.6	2344	7.2	195948.7	+5640.6
2075	9.5	180928.0	+5623.9	2165	9.0	185405.6	+5651.1	2255	9.4	192822.5	+5652.0	2345	9.1	195959.9	+5609.1
2076	9.1	180937.5	+5614.1	2166	9.0	185406.1	+5656.1	2256	9.5	192911.0	+5616.3	2346	9.0	200017.1	+5604.5
2077	8.9	180947.8	+5642.3	2167	6.8	185415.2	+5632.9	2257	9.2	192927.7	+5605.0	2347	9.3	200017.2	+5601.5
2078	8.9	181124.7	+5641.8	2168	6.3	185426.6	+5601.8	2258	9.5	193004.3	+5641.6	2348	9.4	200105.0	+5655.4
2079	9.5	181128.1	+5601.1	2169	9.4	185435.1	+5652.1	2259	9.3	193010.0	+5606.8	2349	9.3	200125.5	+5608.9
2080	7.0	181210.5	+5632.6	2170	7.8	185517.7	+5613.2	2260	9.2	193048.0	+5620.2	2350	9.1	200130.8	+5616.1
2081	7.5	181301.6	+5650.0	2171	9.5	185537.0	+5632.4	2261	6.7	193055.8	+5608.9	2351	9.5	200241.1	+5613.8
2082	9.5	181318.4	+5656.0	2172	9.4	185556.5	+5639.5	2262	9.3	193120.5	+5658.4	2352	9.4	200315.7	+5600.5
2083	8.9	181449.3	+5648.2	2173	8.6	185603.9	+5618.5	2263	9.5	193121.8	+5617.5	2353	8.9	200342.2	+5657.0
2084	9.3	181626.2	+5630.3	2174	9.5	185713.3	+5637.5	2264	9.4	193127.7	+5623.2	2354	7.9	200417.8	+5615.6
2085	8.9	181633.0	+5606.6	2175	9.4	185722.5	+5642.5	2265	9.5	193133.0	+5653.8	2355	9.3	200426.3	+5642.4
2086	9.1	181644.5	+5607.7	2176	8.6	185726.2	+5645.0	2266	9.4	193148.8	+5613.9	2356	9.2	200429.1	+5604.7
2087	9.5	181710.0	+5649.3	2177	8.6	185745.2	+5619.7	2267	9.4	193159.3	+5605.6	2357	9.2	200441.5	+5609.0
2088	9.3	181710.4	+5608.3	2178	9.0	185754.4	+5635.6	2268	9.3	193201.2	+5640.6	2358	9.4	200445.9	+5611.9
2089	9.3	181713.9	+5612.3	2179	9.5	185808.5	+5614.1	2269	9.2	193232.2	+5604.0	2359	9.5	200531.9	+5638.8
2090	9.3	181745.3	+5652.1	2180	9.3	185810.1	+5603.2	2270	9.0	193252.3	+5637.6	2360	9.5	200544.0	+5613.0
2091	9.5	181759.7	+5651.0	2181	9.3	185824.7	+5637.5	2271	9.0	193300.2	+5645.6	2361	8.7	200557.8	+5656.4
2092	8.8	181811.5	+5638.2	2182	9.2	185930.5	+5610.6	2272	6.5	193302.7	+5639.6	2362	9.4	200614.0	+5629.4
2093	9.5	182037.3	+5603.0	2183	9.4	185943.6	+5648.5	2273	8.1	193326.0	+5626.1	2363	9.5	200617.9	+5621.8
2094	9.5	182049.1	+5600.6	2184	9.5	185959.7	+5608.2	2274	9.2	193402.8	+5653.8	2364	9.0	200635.6	+5631.5
2095	9.0	182243.6	+5655.4	2185	7.8	190013.7	+5623.1	2275							

+56 2383 20h12m

2383 9.3 201237.8 +5621.8
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311	9.1	11523.7	+5512.2	401	9.5	13542.4	+5511.2	491	9.3	15511.0	+5506.0	581	9.1	20956.2	+5555.1
312	9.4	11534.8	+5557.3	402	8.6	13543.3	+5554.6	492	8.7	15522.2	+5552.8	582	9.5	21006.7	+5551.2
313	8.6	11543.1	+5526.8	403	9.5	13558.5	+5557.6	493	9.4	15535.9	+5511.6	583	8.9	21011.1	+5515.3
314	9.2	11544.2	+5550.0	404	9.4	13610.9	+5525.5	494	9.5	15557.8	+5541.2	584	9.4	21018.8	+5514.0
315	9.5	11600.8	+5531.5	405	9.3	13628.7	+5557.9	495	9.5	15610.0	+5556.9	585	9.5	21026.1	+5529.8
316	9.5	11602.0	+5517.2	406	9.0	13637.4	+5537.0	496	9.2	15616.9	+5502.2	586	9.5	21028.6	+5522.8
317	9.5	11604.5	+5541.0	407	9.5	13728.4	+5540.7	497	9.4	15620.6	+5512.5	587	8.7	21028.9	+5539.1
318	9.5	11606.6	+5527.2	408	9.5	13750.6	+5515.0	498	9.4	15640.4	+5503.8	588	6.8	21039.7	+5514.3
319	9.2	11628.3	+5532.0	409	9.5	13802.4	+5508.6	499	9.2	15646.5	+5543.0	589	9.5	21047.8	+5542.9
320	9.1	11637.8	+5512.9	410	9.1	13804.0	+5551.7	500	9.5	15709.4	+5557.7	590	8.5	21048.5	+5508.9
321	9.2	11648.0	+5533.5	411	9.5	13822.6	+5535.5	501	8.8	15712.7	+5541.3	591	9.3	21105.2	+5529.6
322	9.3	11706.1	+5529.3	412	9.5	13823.6	+5521.0	502	9.0	15713.8	+5532.0	592	9.5	21123.1	+5530.7
323	9.5	11736.4	+5519.0	413	9.4	13829.0	+5519.8	503	8.7	15723.8	+5520.1	593	9.5	21126.3	+5549.1
324	9.5	11740.8	+5531.8	414	9.4	13830.2	+5519.1	504	9.2	15729.7	+5552.6	594	9.4	21141.5	+5555.0
325	9.2	11741.4	+5538.0	415	8.2	13854.4	+5520.3	505	8.1	15734.3	+5529.3	595	9.5	21150.2	+5526.0
326	9.5	11744.1	+5556.6	416	9.1	13934.4	+5556.3	506	9.5	15736.8	+5527.0	596	9.1	21154.9	+5551.7
327	9.3	11748.5	+5534.3	417	9.4	13959.0	+5554.0	507	9.5	15744.0	+5517.4	597	8.2	21157.9	+5556.2
328	9.5	11756.0	+5521.6	418	9.0	14037.3	+5545.6	508	9.5	15747.5	+5526.6	598	5.7	21218.5	+5510.8
329	9.1	11757.3	+5542.0	419	9.5	14051.2	+5550.5	509	9.4	15802.9	+5550.5	599	9.5	21238.1	+5512.4
330	9.2	11806.8	+5525.1	420	9.5	14059.0	+5533.6	510	9.4	15803.1	+5546.9	600	8.3	21245.6	+5557.4
331	9.0	11814.4	+5501.6	421	9.3	14105.6	+5521.3	511	9.5	15804.8	+5539.3	601	8.8	21248.7	+5541.3
332	8.5	11905.6	+5543.1	422	9.5	14105.9	+5501.4	512	9.2	15825.9	+5523.9	602	9.5	21253.1	+5550.9
333	9.1	11910.6	+5557.1	423	9.0	14110.2	+5512.1	513	9.4	15826.6	+5545.0	603	9.0	21255.0	+5524.8
334	9.5	11932.3	+5536.0	424	9.4	14117.7	+5511.4	514	9.4	15826.8	+5542.9	604	9.5	21318.4	+5526.6
335	9.0	11940.1	+5529.6	425	9.5	14141.8	+5521.5	515	8.5	15834.8	+5546.9	605	9.3	21324.9	+5554.8
336	9.0	12004.8	+5519.0	426	9.4	14146.5	+5509.4	516	9.4	15836.5	+5508.9	606	9.5	21334.3	+5527.4
337	8.8	12007.5	+5549.5	427	9.0	14153.7	+5515.0	517	9.5	15845.4	+5528.1	607	9.4	21400.8	+5555.4
338	9.5	12009.8	+5541.5	428	9.5	14212.4	+5537.5	518	9.5	15855.6	+5542.9	608	9.2	21417.2	+5506.6
339	9.5	12052.2	+5532.3	429	9.4	14226.0	+5544.5	519	9.2	15858.0	+5523.3	609	8.8	21431.6	+5546.4
340	9.5	12101.3	+5559.8	430	9.4	14306.4	+5535.5	520	9.4	15858.1	+5500.2	610	9.5	21444.2	+5513.4
341	9.5	12129.6	+5500.1	431	7.3	14312.3	+5509.5	521	9.5	15903.8	+5530.0	611	9.4	21448.3	+5519.6
342	9.4	12133.8	+5512.5	432	9.1	14352.4	+5556.0	522	9.5	15904.4	+5539.1	612	6.3	21504.4	+5556.4
343	9.5	12144.9	+5501.5	433	9.3	14408.6	+5531.9	523	9.5	15905.9	+5545.6	613	9.5	21510.3	+5532.2
344	9.3	12208.5	+5529.0	434	8.4	14416.7	+5527.9	524	9.5	15917.9	+5538.6	614	9.5	21520.2	+5554.6
345	9.4	12247.1	+5503.1	435	9.5	14428.7	+5537.5	525	9.5	15931.4	+5538.7	615	9.0	21545.8	+5559.9
346	9.3	12300.3	+5530.2	436	9.5	14458.6	+5516.9	526	9.1	15939.7	+5527.7	616	8.0	21547.6	+5526.3
347	9.3	12308.8	+5519.1	437	7.0	14517.4	+5551.9	527	9.2	15945.8	+5509.8	617	9.5	21628.7	+5511.4
348	9.5	12313.6	+5517.8	438	9.5	14545.3	+5526.2	528	9.0	15959.9	+5518.4	618	9.5	21647.5	+5523.2
349	9.4	12318.6	+5553.4	439	8.7	14607.6	+5513.6	529	7.7	20019.8	+5552.3	619	9.5	21710.1	+5522.4
350	9.3	12319.7	+5557.1	440	8.5	14615.7	+5507.1	530	7.2	20028.7	+5536.3	620	9.2	21711.4	+5543.9
351	9.4	12340.8	+5543.1	441	9.4	14626.4	+5550.4	531	8.7	20048.2	+5543.0	621	8.9	21713.8	+5509.8
352	9.3	12354.1	+5534.1	442	9.5	14627.5	+5554.5	532	9.5	20109.8	+5522.3	622	8.4	21741.3	+5556.0
353	9.5	12401.4	+5526.0	443	9.5	14628.6	+5556.2	533	9.5	20115.0	+5512.3	623	9.2	21741.6	+5558.7
354	7.5	12409.5	+5504.1	444	9.4	14635.7	+5517.0	534	8.2	20134.3	+5528.5	624	9.0	21744.0	+5523.0
355	9.5	12502.4	+5542.7	445	9.5	14644.1	+5531.9	535	8.1	20134.3	+5526.4	625	9.4	21755.5	+5503.8
356	9.5	12509.6	+5508.0	446	9.5	14652.9	+5539.5	536	9.0	20151.6	+5542.8	626	9.0	21808.7	+5535.6
357	9.0	12600.5	+5526.8	447	9.5	14720.5	+5533.0	537	9.5	20153.2	+5553.7	627	9.5	21829.1	+5505.9
358	9.4	12606.4	+5516.7	448	9.4	14724.6	+5520.8	538	9.5	20200.0	+5546.1	628	9.5	21838.3	+5559.1
359	9.5	12607.4	+5541.8	449	9.5	14749.5	+5502.8	539	9.5	20241.3	+5551.8	629	9.0	21854.4	+5558.5
360	7.2	12611.5	+5517.7	450	9.5	14749.5	+5515.4	540	9.2	20243.8	+5546.5	630	9.2	21858.1	+5548.0
361	9.5	12616.6	+5539.4	451	9.5	14752.3	+5517.2	541	9.5	20258.1	+5513.0	631	9.4	21858.5	+5506.2
362	9.3	12626.4	+5557.9	452	9.5	14808.5	+5545.4	542	9.2	20333.9	+5556.3	632	9.5	21919.9	+5517.8
363	9.5	12632.6	+5539.6	453	9.2	14852.9	+5503.0	543	9.0	20338.2	+5553.0	633	9.5	21926.3	+5538.7
364	9.5	12636.8	+5529.7	454	9.5	14854.0	+5558.8	544	9.3	20344.0	+5547.6	634	9.4	22004.1	+5500.4
365	9.4	12657.2	+5558.8	455	9.0	14858.5	+5521.6	545	9.5	20347.0	+5535.1	635	9.2	22032.7	+5517.6
366	9.4	12712.5	+5559.2	456	9.4	14858.9	+5524.4	546	9.3	20409.2	+5511.2	636	9.5	22038.1	+5535.7
367	9.2	12726.3	+5522.9	457	9.5	14915.2	+5538.1	547	8.9	20412.3	+5548.7	637	9.2	22046.9	+5503.6
368	8.8	12740.8	+5514.2	458	9.3	14920.4	+5525.9	548	9.5	20450.1	+5541.9	638	9.5	22105.3	+5500.9
369	8.6	12832.7	+5536.4	459	9.5	14920.8	+5553.0	549	9.4	20459.9	+5554.7	639	8.8	22110.7	+5520.3
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372	9.5	12924.4	+5545.3	462	9.1	14937.6	+5509.6	552	8.0	20505.6	+5506.8	642	9.5	22222.9	+5508.5
373	9.5	13000.1	+5543.2	463	9.5	14940.8	+5518.3	553	9.1	20543.8	+5527.1	643	8.7	22300.9	+5539.6
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375	7.5	13023.8	+5502.7	465	8.9	14954.4	+5500.3	555	9.5	20551.2	+5527.2	645	9.0	22317.5	+5515.5
376	8.9	13039.6	+5529.2	466	7.9	14954.6	+5500.3	556	9.4	20554.3	+5513.0	646	9.4	22343.8	+5551.8
377	9.1	13040.4	+5515.7	467	9.4	15006.8	+5519.5	557	9.5	20625.7	+5548.7	647	9.0	22345.3	+5558.5
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384	9.5	13227.3	+5503.6	474	9.5	15151.9	+5506.9	564	8.5	20741.6	+5558.1	654	9.2	22425.7	+5527.6
385	9.5	13233.8	+5503.4	475	9.5	15156.1	+5530.8	565	9.1	20743.3	+5510.0	655	9.0	22442.3	+5520.4
386	9.0	13240.7	+5520.3	476	9.2	15202.8	+5524.7	566	8.2	20751.7	+5511.4	656	9.4	22453.2	+5536.6
387	9.5	13319.7	+5530.7	477	9.5	15235.7	+5553.0	567	8.9	20758.0</					

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1406	9.5	103446.0	+5532.6	1496	8.7	114702.8	+5502.8	1585	8.5	130832.3	+5502.4	1674	9.4	141239.4	+5540.5
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1409	9.1	103729.4	+5548.4	1499	9.4	115044.3	+5518.7	1588	9.5	131013.5	+5529.9	1677	9.5	141355.2	+5518.0
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1411	9.5	103825.5	+5555.2	1501	8.5	115157.2	+5522.1	1590	8.8	131227.3	+5506.7	1679	9.0	141528.6	+5510.6
1412	9.4	103948.2	+5506.4	1502	9.3	115157.2	+5556.3	1591	9.5	131337.5	+5509.5	1680	8.6	141543.7	+5520.4
1413	9.3	104131.0	+5538.6	1503	9.5	115309.4	+5531.1	1592	9.5	131351.3	+5558.7	1681	9.5	141659.1	+5541.0
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1415	9.3	104151.8	+5507.2	1505	9.5	115421.6	+5519.7	1594	9.5	131506.8	+5555.4	1683	9.3	141841.4	+5517.5
1416	8.8	104157.1	+5530.7	1506	8.6	115422.1	+5540.8	1595	9.5	131656.3	+5505.3	1684	9.3	142037.9	+5532.7
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1420	9.0	104455.4	+5513.4	1510	8.8	115743.4	+5524.1	1599	9.0	131832.8	+5524.8	1688	9.5	142608.8	+5536.6
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1422	8.0	104519.1	+5533.4	1512	9.5	120039.8	+5541.4	1601	9.0	131902.5	+5519.7	1690	8.5	142648.9	+5544.9
1423	9.4	104543.4	+5542.8	1513	9.0	120258.4	+5507.3	1602	8.5	131903.5	+5540.5	1691	9.0	142746.5	+5529.7
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1427	9.1	104809.9	+5519.8	1517	9.2	120359.8	+5506.7	1606	9.5	132031.4	+5537.0	1695	8.0	142920.3	+5552.3
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1431	9.2	105014.4	+5545.5	1521	9.3	120912.8	+5538.0	1610	9.5	132530.0	+5543.8	1699	7.6	143223.0	+5529.1
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1433	9.5	105147.5	+5549.2	1523	9.1	121125.5	+5558.0	1612	9.5	132555.0	+5507.8	1701	9.0	143329.9	+5538.6
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109	9.4	02657.8	+5401.6	199	9.5	05159.9	+5137.7	289	9.5	11802.0	+5449.0	378	9.5	13809.2	+5441.6
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119	9.2	02906.7	+5444.1	209	9.3	05400.2	+5442.9	299	9.5	11954.0	+5436.9	388	8.4	14104.7	+5428.7
120	7.7	02926.8	+5426.0	210	9.3	05407.1	+5420.4	300	9.0	12003.9	+5452.9	389	9.0	14111.8	+5413.0
121	9.2	02948.2	+5430.5	211	9.0	05456.9	+5415.0	301	8.4	12045.7	+5405.8	390	9.4	14119.5	+5450.5
122	9.5	03031.8	+5418.5	212	9.5	05516.1	+5443.2	302	9.5	12048.0	+5438.1	391	9.5	14137.1	+5400.7
123	9.5	03043.2	+5457.0	213	9.1	05529.1	+5411.5	303	9.5	12053.8	+5415.7	392	8.4	14149.6	+5441.0
124	9.5	03057.5	+5442.1	214	9.3	05543.1	+5411.3	304	9.5	12054.9	+5441.2	393	7.4	14200.1	+5411.1
125	9.0	03209.0	+5457.0	215	8.0	05610.4	+5451.9	305	9.5	12113.0	+5420.6	394	8.0	14212.7	+5413.2
126	9.3	03234.0	+5429.0	216	9.5	05619.1	+5415.1	306	9.5	12127.6	+5416.9	395	9.5	14220.9	+5445.0
127	8.6	03240.5	+5411.6	217	9.2	05656.0	+5403.2	307	9.5	12201.9	+5416.2	396	5.7	14230.3	+5425.7
128	9.0	03322.3	+5408.5	218	9.5	05714.5	+5447.5	308	9.5	12216.2	+5447.5	397	9.0	14247.5	+5440.5
129	8.2	03331.6	+5453.2	219	9.4	05729.1	+5417.8	309	9.2	12304.1	+5400.8	398	8.6	14255.7	+5436.7
130	9.5	03335.1	+5456.9	220	9.0	05746.6	+5428.6	310	9.3	12304.1	+5432.9	399	9.3	14304.0	+5453.0
131	9.5	03344.5	+5406.0	221	9.2	05801.5	+5425.9	311	9.3	12320.2	+5452.1	400	9.1	14305.4	+5453.3
132	9.4	03350.0	+5409.5	222	9.3	05827.6	+5444.1	312	9.2	12335.6	+5416.7	401	9.5	14308.0	+5428.6
133	9.5	03355.4	+5439.3	223	5.7	05841.0	+5412.0	313	9.2	12356.1	+5441.0	402	9.5	14321.6	+5402.6
134	9.0	03400.2	+5424.9	224	9.5	05916.8	+5452.2	314	9.4	12404.6	+5435.5	403	9.5	14331.2	+5451.5
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138	9.3	03518.2	+5438.3	228	9.5	05941.0	+5454.9	318	9.0	12426.6	+5455.0	407	9.5	14402.5	+5401.5
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1193	8.7	75213.4	+5433.5	1283	8.5	86041.8	+5405.4	1373	9.1	101547.3	+5412.5	1463	8.3	113750.6	+5435.2
1194	9.3	75315.2	+5447.3	1284	8.6	86051.8	+5405.4	1374	9.3	101602.0	+5442.5	1464	8.3	113915.7	+5405.3
1195	7.0	75319.3	+5404.1	1285	5.7	86045.3	+5437.5	1375	9.3	101643.8	+5430.2	1465	9.4	113941.8	+5450.5
1196	9.1	75506.8	+5419.3	1286	9.1	86111.0	+5401.2	1376	8.2	101728.8	+5443.0	1466	9.2	114017.9	+5451.8
1197	8.5	75514.5	+5456.2	1287	9.4	86730.8	+5422.3	1377	8.0	101828.7	+5424.7	1467	9.5	114054.7	+5401.6
1198	9.4	75517.8	+5414.3	1288	9.5	86801.9	+5452.7	1378	9.0	102108.9	+5427.2	1468	7.9	114219.0	+5437.2
1199	9.4	75541.6	+5422.1	1289	9.2	86843.8	+5441.9	1379	8.3	102340.8	+5419.9	1469	9.5	114232.4	+5456.8
1200	8.0	75545.8	+5431.1	1290	9.5	86919.9	+5424.7	1380	9.2	102350.2	+5425.2	1470	8.8	114303.1	+5418.0
1201	9.3	75608.3	+5443.3	1291	9.4	86945.9	+5421.3	1381	6.8	102438.0	+5414.4	1471	9.5	114423.7	+5407.2
1202	8.7	75811.7	+5441.5	1292	8.5	87128.5	+5422.3	1382	9.4	102541.3	+5428.7	1472	9.0	114436.9	+5429.2
1203	8.7	75814.4	+5403.6	1293	8.3	87140.3	+5413.9	1383	9.1	102614.2	+5442.8	1473	8.7	114445.5	+5435.3
1204	9.5	75832.5	+5417.2	1294	9.2	87144.4	+5411.9	1384	8.2	102624.1	+5431.2	1474	9.0	114522.0	+5426.8
1205	9.5	75849.1	+5407.6	1295	9.0	87212.9	+5411.5	1385	9.5	102754.9	+5441.0	1475	2.5	114612.4	+5429.6
1206	8.9	75905.2	+5411.6	1296	9.5	87434.8	+5451.2	1386	9.5	102954.9	+5451.3	1476	9.4	114627.0	+5433.5
1207	8.0	75946.4	+5440.3	1297	8.0	87442.2	+5400.5	1387	6.0	103004.8	+5424.5	1477	9.2	114637.5	+5411.0
1208	6.7	75956.3	+5458.3	1298	9.3	87510.7	+5444.3	1388	8.0	103206.7	+5423.3	1478	9.4	114714.3	+5415.1
1209	9.1	75956.6	+5410.7	1299	7.5	87521.1	+5439.0	1389	9.2	103327.8	+5451.9	1479	9.2	114931.5	+5407.4
1210	9.5	80110.0	+5441.8	1300	9.3	87544.4	+5419.9	1390	8.9	103408.4	+5441.4	1480	8.9	114956.9	+5421.9
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1215	6.5	80706.2	+5434.4	1305	9.0	87825.4	+5430.8	1395	9.1	103818.5	+5422.3	1485	9.2	115429.8	+5443.5
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1883 9.4 172630.8 +5457.0
1884 9.0 172633.0 +5445.9

+54 1884 17h26m

+54 1885 17h26m

+54 2243 19h50m

1885	9.3	172656.3	+5444.3	1974	8.7	181719.0	+5424.0	2064	9.4	185438.1	+5429.7	2154	9.4	192511.9	+5425.7
1886	9.5	172719.8	+5442.9	1975	8.5	181849.9	+5456.8	2065	9.2	185458.0	+5453.3	2155	9.3	192542.5	+5405.1
1887	9.3	172738.0	+5420.0	1976	9.1	181850.7	+5408.6	2066	9.2	185517.8	+5421.5	2156	9.1	192542.7	+5410.0
1888	9.5	172821.8	+5404.6	1977	8.7	181932.6	+5444.2	2067	8.0	185541.7	+5441.7	2157	9.4	192554.0	+5451.2
1889	7.5	172829.7	+5427.9	1978	8.1	182007.2	+5401.3	2068	9.5	185546.3	+5459.6	2158	9.4	192558.1	+5400.8
1890	8.3	172852.0	+5427.9	1979	7.1	182012.8	+5420.7	2069	9.5	185551.0	+5453.0	2159	8.5	192558.5	+5430.6
1891	9.3	172917.8	+5404.3	1980	8.2	182017.9	+5412.8	2070	8.2	185619.5	+5438.7	2160	9.3	192600.0	+5453.1
1892	9.5	172936.1	+5441.7	1981	9.5	182040.0	+5400.1	2071	9.5	185623.5	+5424.5	2161	9.5	192633.4	+5432.5
1893	9.2	172944.8	+5419.9	1982	9.5	182042.0	+5443.1	2072	9.3	185650.4	+5417.5	2162	9.5	192713.2	+5430.7
1894	9.4	173156.7	+5450.8	1983	9.3	182100.4	+5439.4	2073	8.0	185701.6	+5426.8	2163	9.0	192728.0	+5407.8
1895	9.4	173226.3	+5423.0	1984	9.5	182108.0	+5437.6	2074	8.8	185710.1	+5457.3	2164	9.0	192729.2	+5430.8
1896	9.5	173232.9	+5435.9	1985	9.5	182117.6	+5428.0	2075	9.1	185814.2	+5429.7	2165	9.3	192746.5	+5459.0
1897	9.3	173233.8	+5426.5	1986	9.5	182137.9	+5416.5	2076	9.4	185846.0	+5426.5	2166	9.0	192749.9	+5445.7
1898	9.3	173314.5	+5430.9	1987	9.2	182201.0	+5447.4	2077	9.4	185916.4	+5451.6	2167	9.5	192751.7	+5456.0
1899	9.5	173325.0	+5431.1	1988	6.8	182231.1	+5436.7	2078	9.0	185925.5	+5427.8	2168	9.0	192818.5	+5409.5
1900	9.0	173545.6	+5410.2	1989	9.5	182245.0	+5406.7	2079	9.4	185943.4	+5421.8	2169	6.6	192818.5	+5456.7
1901	9.0	173658.5	+5427.9	1990	9.5	182303.2	+5427.5	2080	7.5	190048.8	+5409.7	2170	9.3	192822.7	+5400.0
1902	9.3	173715.0	+5415.5	1991	9.5	182319.0	+5403.1	2081	9.3	190122.8	+5446.6	2171	9.5	192836.8	+5421.6
1903	9.4	173746.9	+5451.2	1992	9.5	182328.2	+5451.8	2082	9.4	190129.3	+5447.0	2172	8.9	192910.6	+5410.6
1904	9.5	173911.2	+5440.8	1993	7.2	182406.9	+5447.8	2083	9.2	190236.7	+5437.1	2173	9.0	192918.5	+5414.4
1905	9.5	174028.5	+5417.4	1994	9.4	182407.0	+5444.1	2084	9.2	190241.6	+5431.7	2174	9.5	192930.0	+5416.7
1906	9.0	174242.5	+5437.9	1995	9.2	182412.8	+5402.4	2085	9.4	190259.5	+5415.4	2175	8.9	192940.7	+5413.0
1907	8.8	174310.8	+5400.6	1996	9.5	182430.2	+5436.4	2086	9.4	190327.5	+5436.8	2176	9.4	193007.2	+5459.7
1908	9.0	174339.3	+5416.5	1997	9.5	182454.8	+5431.7	2087	8.5	190358.4	+5409.6	2177	9.5	193020.8	+5413.8
1909	9.0	174354.0	+5416.0	1998	9.2	182509.7	+5457.2	2088	8.9	190517.3	+5436.5	2178	9.5	193044.9	+5425.8
1910	9.0	174515.6	+5419.4	1999	9.5	182541.5	+5458.7	2089	7.8	190551.8	+5451.8	2179	8.8	193057.0	+5407.5
1911	6.5	174605.2	+5414.0	2000	9.5	182547.5	+5459.0	2090	9.4	190640.7	+5423.3	2180	9.3	193101.7	+5443.9
1912	9.2	174630.9	+5436.9	2001	9.5	182620.3	+5406.1	2091	9.5	190654.0	+5402.0	2181	9.5	193118.0	+5458.7
1913	9.0	174656.8	+5442.8	2002	9.5	182708.9	+5426.1	2092	9.1	190702.0	+5424.8	2182	9.5	193138.9	+5451.1
1914	9.4	174700.4	+5424.1	2003	9.3	182711.9	+5420.9	2093	8.7	190708.8	+5436.9	2183	9.5	193215.8	+5457.2
1915	8.8	174711.4	+5440.6	2004	9.4	182717.7	+5436.8	2094	9.5	190715.9	+5439.1	2184	9.4	193257.5	+5406.5
1916	9.4	174719.6	+5428.8	2005	9.5	182728.0	+5418.9	2095	8.3	190729.1	+5413.9	2185	7.7	193320.5	+5441.1
1917	8.8	174725.0	+5446.8	2006	9.3	182838.0	+5413.0	2096	8.9	190732.9	+5420.1	2186	9.5	193415.5	+5424.1
1918	9.4	174726.2	+5416.7	2007	9.0	182842.3	+5441.4	2097	9.5	190800.2	+5450.2	2187	7.5	193417.9	+5437.5
1919	9.4	174813.9	+5405.7	2008	9.5	182844.8	+5432.7	2098	9.4	190801.5	+5451.2	2188	9.4	193431.0	+5417.3
1920	9.5	174919.8	+5434.4	2009	9.5	182904.5	+5458.3	2099	9.5	190807.8	+5402.0	2189	9.1	193442.9	+5417.8
1921	9.2	174922.2	+5408.5	2010	9.2	183007.5	+5458.7	2100	8.5	190808.6	+5457.9	2190	9.0	193513.5	+5420.1
1922	9.5	174932.9	+5406.8	2011	8.3	183009.8	+5452.6	2101	9.5	190847.0	+5421.0	2191	9.1	193519.5	+5459.5
1923	9.5	175046.7	+5425.9	2012	9.4	183106.8	+5429.7	2102	9.4	190918.5	+5423.5	2192	9.1	193526.9	+5451.1
1924	8.6	175325.5	+5405.0	2013	7.8	183159.5	+5405.8	2103	8.6	190950.6	+5455.6	2193	5.8	193527.0	+5437.8
1925	7.5	175439.5	+5441.4	2014	9.5	183231.4	+5420.3	2104	9.1	190958.6	+5451.9	2194	9.3	193527.8	+5455.6
1926	9.2	175509.6	+5406.8	2015	8.7	183258.5	+5443.7	2105	8.9	191005.2	+5451.7	2195	9.5	193537.5	+5431.0
1927	9.5	175521.8	+5423.0	2016	9.2	183308.1	+5419.0	2106	9.5	191005.8	+5414.0	2196	9.5	193615.4	+5414.2
1928	9.0	175524.0	+5453.0	2017	9.5	183322.4	+5412.7	2107	9.2	191040.3	+5447.7	2197	8.7	193647.8	+5456.0
1929	9.5	175624.2	+5417.8	2018	8.5	183324.3	+5449.5	2108	9.4	191041.5	+5452.7	2198	9.0	193650.7	+5449.7
1930	9.5	175654.1	+5416.0	2019	9.5	183333.3	+5415.9	2109	8.8	191159.5	+5417.9	2199	9.5	193705.2	+5409.5
1931	9.0	175706.1	+5416.0	2020	7.8	183357.2	+5442.2	2110	7.7	191209.0	+5454.7	2200	9.5	193707.8	+5414.0
1932	8.9	175752.6	+5452.8	2021	9.5	183453.1	+5447.6	2111	9.5	191215.8	+5409.3	2201	9.4	193734.5	+5402.6
1933	9.3	175904.9	+5413.2	2022	9.5	183501.0	+5433.7	2112	8.2	191216.9	+5419.4	2202	9.1	193738.6	+5447.9
1934	9.3	180054.3	+5408.9	2023	9.2	183737.5	+5411.0	2113	7.5	191247.0	+5442.2	2203	9.4	193755.1	+5410.6
1935	8.9	180105.1	+5442.3	2024	8.0	183806.3	+5447.3	2114	9.5	191248.5	+5449.3	2204	9.5	193756.6	+5429.9
1936	9.4	180123.1	+5409.2	2025	9.3	183839.5	+5455.1	2115	9.4	191323.4	+5432.5	2205	9.5	193813.6	+5446.9
1937	9.5	180156.7	+5433.8	2026	9.5	183848.6	+5420.8	2116	9.5	191348.7	+5400.3	2206	9.4	193839.3	+5441.2
1938	8.6	180204.0	+5405.1	2027	9.2	183943.4	+5432.7	2117	9.4	191358.4	+5457.8	2207	9.5	193844.5	+5439.5
1939	9.5	180229.6	+5438.8	2028	9.3	183944.1	+5452.6	2118	8.0	191406.4	+5402.0	2208	9.5	193853.0	+5410.0
1940	8.3	180237.4	+5430.0	2029	9.1	183946.5	+5448.2	2119	9.5	191429.5	+5443.9	2209	9.4	193900.7	+5459.0
1941	9.5	180240.5	+5421.6	2030	9.0	183949.8	+5443.2	2120	9.5	191455.4	+5438.1	2210	9.4	193923.1	+5448.0
1942	9.3	180412.4	+5428.6	2031	9.3	183954.4	+5434.7	2121	9.1	191555.7	+5453.0	2211	9.4	193926.4	+5405.4
1943	9.0	180423.1	+5406.4	2032	9.2	184144.1	+5422.5	2122	9.5	191613.3	+5405.8	2212	8.4	193972.6	+5440.7
1944	9.3	180426.9	+5434.2	2033	9.0	184146.5	+5451.1	2123	6.4	191624.1	+5406.7	2213	9.5	193953.0	+5432.9
1945	9.5	180440.7	+5428.8	2034	6.0	184159.2	+5444.2	2124	9.5	191642.5	+5424.3	2214	9.5	194040.7	+5449.0
1946	9.0	180459.8	+5409.0	2035	9.1	184252.9	+5411.6	2125	9.3	191719.9	+5402.3	2215	9.5	194045.9	+5416.4
1947	9.4	180515.1	+5446.8	2036	9.3	184325.6	+5408.2	2126	9.5	191723.3	+5444.5	2216	9.5	194133.0	+5435.4
1948	9.2	180526.8	+5438.7	2037	9.3	184336.8	+5408.4	2127	9.4	191726.2	+5418.7	2217	9.3	194146.6	+5419.6
1949	9.5	180730.8	+5435.0	2038	9.5	184415.0	+5423.1	2128	8.5	191747.8	+5400.9	2218	8.6	194158.8	+5440.5
1950	6.0	180733.9	+5414.6	2039	9.5	184617.2	+5406.3	2129	9.5	191815.0	+5458.0	2219	9.5	194210.0	+5434.5
1951	8.0	180748.7	+5431.2	2040	9.5	184629.0	+5455.6	2130	9.5	191815.5	+5423.3	2220	9.5	194219.7	+5434.5
1952	9.5	180847.9	+5412.0	2041	8.7	184633.3	+5418.2	2131	9.4	191843.4	+5435.2	2221	9.2	194254.3	+5412.5
1953	9.5	180905.0	+5441.5	2042	7.5	184718.9	+5408.7	2132	9.5	191855.9	+5442.5	2222	8.1	194257.6	+5416.9
1954	9.4	180937.6	+5444.2	2043	9.5	184725.1	+5401.7	2133	9.1	191858.7	+5445.1	2223	6.5	194300.7	+5402.9
1955	9.4	180943.3	+5430.4	2044	9.4	184813.5	+5417.3	2134	9.3	191947.8	+5450.4	2224	8.7	194317.4	+5401.4
1956	9.1	180949.4	+5443.9	2045	9.3	184823.0	+5459.0	2135	7.5	191951.6	+5447.4	2225	8.2	194357.3	+5450.2
1957	9.5	181039.0	+5459.3	2046	8.6	184828.8	+5456.0	2136	8.8	192019.4	+5426.9	2226	9.5	194409.9	+5454.4

+54 2244 19h50m

+54 2602 21h37m

2244 9.5 195029.3 +5422.0	2334 9.5 201703.5 +5427.8	2423 9.5 204408.0 +5413.3	2513 9.5 211434.0 +5435.2
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2249 9.5 195220.7 +5403.5	2339 7.3 201849.2 +5428.0	2428 9.4 204705.7 +5428.0	2518 9.4 211518.2 +5456.1
2250 9.5 195221.5 +5407.8	2340 8.8 201851.1 +5415.5	2429 7.4 204710.4 +5456.8	2519 9.4 211610.8 +5418.3
2251 9.5 195222.0 +5448.5	2341 6.7 201916.1 +5412.4	2430 8.8 204724.3 +5437.8	2520 9.0 211627.4 +5454.3
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2256 9.5 195348.3 +5425.2	2346 7.3 202102.0 +5432.3	2435 9.5 204846.7 +5416.3	2525 9.0 211743.7 +5415.7
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2260 8.4 195427.7 +5446.2	2350 9.0 202127.7 +5427.8	2439 8.6 204936.4 +5417.7	2529 9.4 211907.6 +5424.7
2261 9.2 195433.5 +5452.0	2351 9.4 202130.6 +5431.5	2440 8.9 204945.1 +5400.1	2530 7.0 211911.8 +5440.2
2262 8.5 195435.6 +5446.4	2352 9.5 202134.0 +5455.8	2441 8.1 205032.1 +5402.8	2531 9.5 211926.0 +5417.4
2263 9.4 195453.7 +5424.9	2353 9.4 202117.0 +5420.6	2442 8.5 205123.6 +5422.8	2532 8.7 211935.5 +5459.1
2264 9.3 195619.4 +5451.4	2354 9.5 202358.4 +5417.7	2443 9.2 205125.8 +5409.3	2533 7.3 212001.3 +5444.7
2265 9.4 195623.7 +5448.0	2355 9.3 202437.2 +5444.4	2444 9.5 205136.5 +5402.5	2534 9.5 212026.5 +5440.0
2266 9.5 195629.0 +5403.5	2356 8.0 202433.7 +5400.9	2445 9.5 205144.2 +5402.9	2535 9.5 212030.4 +5458.3
2267 8.1 195654.4 +5447.8	2357 9.2 202442.2 +5401.2	2446 9.5 205224.2 +5430.5	2536 7.8 212038.4 +5443.5
2268 9.5 195656.5 +5449.6	2358 9.5 202433.5 +5418.5	2447 9.4 205240.9 +5451.8	2537 9.3 212156.5 +5429.7
2269 8.8 195700.9 +5440.7	2359 9.5 202455.4 +5409.7	2448 9.5 205243.0 +5437.5	2538 8.1 212236.3 +5458.0
2270 8.5 195704.6 +5410.5	2360 9.5 202521.0 +5427.0	2449 9.5 205248.8 +5448.7	2539 9.5 212238.6 +5452.3
2271 9.3 195712.3 +5400.1	2361 9.2 202557.5 +5436.5	2450 9.5 205320.0 +5437.2	2540 9.5 212257.8 +5410.5
2272 9.5 195721.0 +5402.8	2362 7.3 202623.8 +5411.4	2451 9.0 205323.1 +5458.0	2541 9.3 212335.5 +5414.8
2273 9.0 195759.5 +5438.9	2363 8.5 202633.9 +5429.8	2452 6.8 205343.6 +5455.6	2542 9.5 212344.4 +5410.4
2274 9.1 195810.5 +5432.5	2364 8.6 202644.8 +5406.2	2453 9.0 205354.4 +5439.3	2543 9.3 212347.1 +5425.7
2275 9.4 195822.2 +5409.3	2365 9.3 202646.9 +5409.9	2454 9.5 205459.0 +5445.3	2544 6.1 212419.8 +5447.2
2276 8.2 195836.5 +5414.3	2366 9.5 202705.1 +5408.8	2455 9.0 205537.6 +5457.7	2545 9.5 212502.5 +5407.9
2277 8.2 195851.8 +5416.1	2367 9.5 202707.6 +5436.0	2456 6.4 205541.0 +5438.9	2546 9.5 212518.4 +5450.1
2278 8.8 195858.5 +5413.9	2368 8.1 202713.2 +5406.1	2457 9.1 205543.2 +5458.4	2547 7.9 212519.3 +5401.0
2279 9.5 195908.5 +5402.2	2369 8.9 202725.5 +5450.1	2458 9.5 205615.7 +5420.7	2548 9.5 212529.4 +5450.1
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2281 7.9 200032.2 +5405.7	2371 9.5 202742.3 +5450.3	2460 9.0 205627.8 +5432.4	2550 9.5 212538.0 +5458.7
2282 9.2 200040.8 +5404.5	2372 9.5 202745.9 +5438.1	2461 9.4 205631.9 +5444.9	2551 9.5 212539.6 +5451.9
2283 9.2 200101.3 +5425.5	2373 9.5 202826.5 +5448.0	2462 8.8 205655.8 +5432.3	2552 9.5 212545.4 +5446.0
2284 9.0 200202.4 +5433.9	2374 7.0 202931.1 +5417.8	2463 9.4 205753.0 +5419.3	2553 9.5 212555.8 +5404.9
2285 9.3 200309.5 +5442.9	2375 9.0 202951.1 +5403.1	2464 9.5 205821.7 +5408.5	2554 9.5 212556.9 +5440.3
2286 8.0 200321.2 +5413.7	2376 9.5 202959.1 +5435.8	2465 9.2 205853.1 +5444.6	2555 7.7 212613.5 +5446.2
2287 9.5 200329.0 +5405.7	2377 9.5 203029.4 +5410.8	2466 9.4 205904.9 +5419.5	2556 9.5 212615.3 +5436.0
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2289 8.5 200403.0 +5453.9	2379 9.2 203048.1 +5445.6	2468 9.5 205936.0 +5410.0	2558 9.4 212636.4 +5420.4
2290 9.5 200413.8 +5438.0	2380 9.2 203055.4 +5459.0	2469 9.1 205940.0 +5423.3	2559 8.7 212652.2 +5422.3
2291 9.4 200414.3 +5433.5	2381 9.2 203116.5 +5449.2	2470 6.9 205942.8 +5439.5	2560 9.5 212706.7 +5425.7
2292 9.2 200447.5 +5452.6	2382 9.2 203116.5 +5449.2	2471 9.5 210013.0 +5432.8	2561 9.5 212710.2 +5424.0
2293 9.4 200454.7 +5458.6	2383 9.2 203149.6 +5405.2	2472 9.5 210036.4 +5444.3	2562 9.5 212725.6 +5436.1
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2295 9.2 200551.4 +5455.7	2385 9.5 203325.9 +5407.9	2474 9.5 210202.0 +5448.3	2564 9.5 212749.0 +5450.9
2296 9.4 200608.1 +5401.2	2386 9.5 203357.1 +5418.5	2475 9.5 210231.5 +5448.4	2565 8.5 212800.1 +5420.5
2297 9.2 200618.1 +5408.6	2387 9.2 203410.1 +5426.3	2476 7.8 210300.6 +5425.0	2566 8.9 212803.8 +5403.1
2298 9.3 200619.4 +5403.8	2388 9.2 203423.4 +5442.6	2477 9.0 210303.7 +5414.9	2567 8.2 212822.0 +5445.4
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2303 8.8 200737.5 +5400.5	2393 9.4 203532.7 +5418.1	2482 9.5 210406.4 +5445.0	2572 9.5 212928.5 +5457.9
2304 9.5 200809.7 +5441.8	2394 8.4 203604.9 +5444.3	2483 9.5 210416.9 +5441.1	2573 8.5 212939.1 +5432.0
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2308 8.5 200932.4 +5457.6	2398 8.1 203644.6 +5409.3	2487 9.5 210600.7 +5436.4	2577 9.5 213028.3 +5448.3
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2310 8.2 200935.2 +5444.0	2400 9.5 203700.3 +5448.7	2489 7.3 210646.2 +5444.4	2579 9.1 213101.8 +5424.2
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2312 9.4 200956.6 +5443.8	2402 9.0 203718.7 +5420.7	2491 8.3 210802.4 +5406.1	2581 7.8 213150.5 +5410.4
2313 8.8 201032.8 +5418.3	2403 9.5 203727.6 +5422.8	2492 9.5 210807.5 +5425.7	2582 8.7 213211.4 +5456.0
2314 8.4 201055.7 +5404.6	2404 9.4 203735.0 +5441.1	2493 9.5 210827.7 +5457.4	2583 7.5 213223.0 +5428.1
2315 9.3 201138.4 +5412.7	2405 9.5 203809.7 +5404.6	2494 9.3 210832.1 +5451.0	2584 9.5 213247.4 +5459.3
2316 8.9 201144.0 +5445.9	2406 8.9 203904.2 +5402.0	2495 8.3 210845.2 +5448.5	2585 8.5 213307.1 +5422.0
2317 8.9 201150.2 +5448.4	2407 9.5 203912.0 +5402.3	2496 9.2 210848.7 +5443.4	2586 8.2 213404.1 +5404.6
2318 9.1 201206.6 +5413.5	2408 9.5 203927.5 +5402.0	2497 9.5 210943.7 +5436.5	2587 8.8 213413.9 +5425.2
2319 9.4 201231.6 +5439.7	2409 6.7 203934.4 +5446.2	2498 7.0 210958.6 +5404.0	2588 9.5 213420.2 +5447.3
2320 9.2 201235.6 +5440.5	2410 8.9 203947.3 +5406.4	2499 7.8 211050.4 +5454.7	2589 9.5 213453.3 +5426.0
2321 9.2 201248.0 +5401.0	2411 9.5 204023.3 +5457.7	2500 9.4 211113.0 +5407.8	2590 7.5 213456.6 +5442.7
2322 9.5 201302.1 +5423.5	2412 9.0 204109.2 +5455.0	2501 9.4 211153.3 +5424.0	2591 9.1 213505.1 +5407.3
2323 9.5 201308.2 +5402.6	2413 9.5 204144.5 +5442.6	2502 9.2 211206.3 +5446.8	2592 9.5 213508.5 +5448.4
2324 8.8 201317.8 +5413.8	2414 8.5 204158.9 +5444.4	2503 8.3 211216.1 +5414.7	2593 8.8 213515.2 +5430.0
2325 8.9 201337.8 +5405.7	2415 9.2 204207.3 +5453.1	2504 9.3 211218.8 +5426.5	2594 9.3 213529.8 +5447.3
2326 9.3 201343.0 +5425.8	2416 9.0 204234.5 +5422.7	2505 8.6 211232.3 +5428.9	2595 6.0 213556.0 +5413.2
2327 9.5 201415.2 +5441.7	2417 8.8 204236.4 +5420.6	2506 9.1 211237.4 +5411.7	2596 9.4 213600.9 +5426.6
2328 8.9 201424.1 +5404.9	2418 9.1 204240.7 +5416.0	2507 9.5 211240.5 +5447.0	2597 7.5 213604.3 +5441.9
2329 6.0 201450.3 +5456.6	2419 9.1 204306.1 +5451.1	2508 7.8 211250.9 +5427.2	2598 8.5 213607.4 +5424.8
2330 9.2 201507.9 +5428.8	2420 9.5 204332.4 +5455.2	2509 9.5 211308.0 +5457.2	2599 9.5 213645.0 +5406.7
2331 9.4 201552.5 +5451.0	2421 9.3 204345.0 +5445.4	2510 7.7 211338.0 +5439.8	2600 9.5 213657.4 +5441.0
2332 9.4 201559.0 +5448.1	2422 9.0 204348.5 +5436.2	2511 9.5 211352.9 +5439.3	2601 9.3 213702.9 +5429.1
2333 9.4 201626.5 +5426.8	2423 9.3 204351.4 +5452.1	2512 8.4 211403.4 +5428.5	2602 9.5 213715.2 +5459.9

+54 2603 21h37m

+54 2961 23h15m

2603	9.1	213719.8	+5410.1	2693	9.5	220442.8	+5412.2	2783	9.5	222224.2	+5445.7	2872	9.5	224525.9	+5401.6
2604	9.4	213734.0	+5450.8	2694	9.5	220449.5	+5413.5	2784	9.5	222231.3	+5433.3	2873	8.6	224600.4	+5443.6
2605	9.5	213757.3	+5440.2	2695	9.5	220503.0	+5426.7	2785	9.5	222249.4	+5457.9	2874	8.4	224623.0	+5454.7
2606	7.7	213800.0	+5451.7	2696	9.5	220529.0	+5415.6	2786	9.2	222323.7	+5405.4	2875	8.9	224626.8	+5438.8
2607	8.1	213810.4	+5432.6	2697	9.3	220602.4	+5440.7	2787	9.4	222332.6	+5406.8	2876	9.3	224638.9	+5434.3
2608	9.4	213835.4	+5446.8	2698	9.0	220618.8	+5433.0	2788	9.0	222347.2	+5421.5	2877	9.2	224641.0	+5451.0
2609	9.0	213905.5	+5459.9	2699	9.5	220620.1	+5456.7	2789	9.5	222418.0	+5439.6	2878	9.2	224722.9	+5451.2
2610	9.2	213919.6	+5455.7	2700	9.1	220623.8	+5442.6	2790	9.3	222426.4	+5402.7	2879	8.5	224812.1	+5437.7
2611	8.9	213923.9	+5432.7	2701	9.3	220643.8	+5402.2	2791	9.4	222429.9	+5414.3	2880	9.3	224859.2	+5454.0
2612	7.7	213932.9	+5442.9	2702	7.5	220702.0	+5423.1	2792	9.5	222431.4	+5417.2	2881	9.5	224938.6	+5411.1
2613	9.5	214018.0	+5410.4	2703	9.4	220715.6	+5419.0	2793	8.8	222501.7	+5409.2	2882	9.4	225014.4	+5456.1
2614	9.5	214028.8	+5408.4	2704	9.1	220719.3	+5453.1	2794	9.0	222556.8	+5429.7	2883	9.0	225042.9	+5426.3
2615	9.5	214059.8	+5423.7	2705	9.5	220729.4	+5425.3	2795	9.0	222616.1	+5442.1	2884	8.5	225058.6	+5454.7
2616	9.4	214108.0	+5451.8	2706	9.4	220746.5	+5411.8	2796	8.2	222637.5	+5427.1	2885	9.5	225141.4	+5414.4
2617	9.5	214116.5	+5454.7	2707	9.4	220756.0	+5455.1	2797	9.5	222715.5	+5432.7	2886	8.7	225200.9	+5415.5
2618	9.5	214127.6	+5425.2	2708	8.0	220756.8	+5435.6	2798	8.4	222725.1	+5420.9	2887	9.5	225224.5	+5442.7
2619	9.4	214131.1	+5454.3	2709	8.1	220802.9	+5445.3	2799	9.4	222730.3	+5406.0	2888	9.2	225311.1	+5437.4
2620	9.5	214138.5	+5456.7	2710	9.5	220805.0	+5425.3	2800	8.8	222732.4	+5401.1	2889	9.3	225312.1	+5411.5
2621	9.5	214146.8	+5403.4	2711	9.4	220821.9	+5424.0	2801	9.5	222732.7	+5407.2	2890	9.3	225313.5	+5456.5
2622	9.2	214151.9	+5443.4	2712	9.2	220829.5	+5459.8	2802	9.2	222733.2	+5412.0	2891	9.5	225315.7	+5447.1
2623	9.0	214157.8	+5439.7	2713	9.5	220834.7	+5438.7	2803	9.5	222745.6	+5420.7	2892	8.9	225353.5	+5443.1
2624	8.8	214159.0	+5422.8	2714	9.5	220841.6	+5439.2	2804	9.4	222746.1	+5411.1	2893	9.1	225356.4	+5451.3
2625	8.8	214208.7	+5412.0	2715	9.5	220843.5	+5409.3	2805	9.4	222747.9	+5417.5	2894	9.2	225417.3	+5401.2
2626	8.9	214214.5	+5422.9	2716	8.5	220900.6	+5444.1	2806	9.4	222754.3	+5425.0	2895	8.3	225429.3	+5425.9
2627	9.3	214226.7	+5400.8	2717	9.2	220903.2	+5443.3	2807	9.5	222822.8	+5444.4	2896	9.4	225449.6	+5408.9
2628	8.9	214230.7	+5427.8	2718	9.5	220939.8	+5445.0	2808	9.4	222843.5	+5435.4	2897	8.8	225455.3	+5411.5
2629	9.5	214239.4	+5439.9	2719	9.0	220950.5	+5442.8	2809	9.5	222856.4	+5459.7	2898	9.5	225507.4	+5431.3
2630	9.5	214254.3	+5427.2	2720	9.5	220950.7	+5402.2	2810	9.5	222914.1	+5421.1	2899	8.8	225550.7	+5408.1
2631	8.8	214352.4	+5403.0	2721	9.1	220952.4	+5446.1	2811	9.4	222927.5	+5416.6	2900	6.5	225630.6	+5427.8
2632	9.0	214541.7	+5433.5	2722	8.2	221036.0	+5406.6	2812	9.5	222928.4	+5401.4	2901	8.7	225641.3	+5444.2
2633	8.4	214544.8	+5415.6	2723	8.8	221037.5	+5425.9	2813	9.5	223011.0	+5402.6	2902	9.5	225714.1	+5412.0
2634	8.6	214549.9	+5443.9	2724	9.2	221038.0	+5439.6	2814	9.5	223017.5	+5446.7	2903	9.2	225715.8	+5436.7
2635	9.4	214652.5	+5452.9	2725	9.5	221053.1	+5404.0	2815	9.2	223019.9	+5417.8	2904	9.5	225726.5	+5452.0
2636	8.9	214656.7	+5434.5	2726	9.1	221123.1	+5444.4	2816	9.0	223021.9	+5418.3	2905	9.0	225749.3	+5429.8
2637	9.5	214710.9	+5449.1	2727	8.8	221137.8	+5405.8	2817	9.2	223024.2	+5419.2	2906	8.8	225800.2	+5420.0
2638	6.7	214726.3	+5400.1	2728	9.5	221146.5	+5418.0	2818	8.9	223027.1	+5421.3	2907	9.2	225801.1	+5453.7
2639	9.0	214731.5	+5437.2	2729	9.5	221212.4	+5401.7	2819	9.5	223113.7	+5442.0	2908	9.5	225823.6	+5405.6
2640	7.0	214733.1	+5421.9	2730	9.5	221224.0	+5454.6	2820	9.5	223122.5	+5436.5	2909	8.0	225828.8	+5454.7
2641	9.4	214735.3	+5426.4	2731	9.3	221238.8	+5418.1	2820a	9.5	223127.9	+5425.8	2910	9.3	225901.6	+5440.1
2642	9.3	214752.9	+5418.3	2732	8.8	221241.7	+5433.2	2821	9.5	223134.1	+5418.3	2911	9.0	225905.4	+5438.1
2643	9.3	214810.5	+5441.6	2733	9.5	221255.3	+5453.1	2822	9.1	223135.8	+5422.8	2912	9.5	230020.0	+5413.5
2644	9.4	214821.8	+5438.1	2734	9.3	221305.0	+5442.1	2823	9.5	223221.4	+5419.9	2913	9.5	230027.6	+5458.8
2645	9.5	214827.4	+5414.0	2735	9.5	221317.6	+5433.0	2824	9.0	223227.9	+5449.9	2914	9.5	230038.4	+5411.0
2646	9.4	214844.0	+5452.5	2736	9.5	221354.5	+5425.0	2825	9.4	223229.5	+5414.4	2915	8.6	230104.7	+5404.2
2647	9.4	214954.3	+5401.4	2737	9.5	221429.1	+5439.9	2826	9.4	223244.0	+5436.6	2916	9.5	230127.8	+5418.0
2648	9.3	215055.0	+5435.9	2738	9.5	221438.6	+5452.6	2827	8.2	223308.5	+5409.2	2917	9.5	230128.4	+5422.4
2649	9.1	215103.6	+5416.0	2739	9.4	221449.2	+5405.8	2828	8.2	223310.8	+5430.4	2918	9.4	230134.3	+5414.1
2650	9.2	215119.1	+5404.7	2740	8.3	221501.9	+5457.4	2829	9.2	223325.9	+5441.2	2919	9.5	230200.2	+5401.5
2651	9.3	215145.8	+5410.1	2741	8.0	221503.3	+5407.5	2830	8.0	223337.7	+5417.5	2920	9.5	230228.4	+5434.2
2652	9.5	215216.9	+5449.8	2742	8.5	221511.2	+5433.7	2831	9.1	223335.9	+5413.6	2921	9.5	230255.5	+5411.2
2653	9.5	215307.7	+5426.8	2743	9.4	221515.9	+5448.6	2832	9.4	223414.2	+5448.8	2922	9.5	230404.3	+5404.0
2654	9.5	215311.1	+5438.3	2744	9.3	221540.2	+5445.7	2833	9.1	223429.8	+5419.5	2923	9.5	230410.2	+5406.6
2655	9.5	215315.2	+5416.7	2745	9.2	221543.6	+5449.4	2834	8.0	223430.0	+5452.1	2924	9.5	230436.5	+5414.5
2656	9.5	215341.8	+5408.2	2746	8.8	221553.5	+5430.5	2835	9.4	223452.7	+5404.0	2925	9.4	230443.8	+5422.3
2657	9.2	215345.3	+5407.5	2747	9.2	221602.3	+5425.4	2836	8.7	223457.9	+5415.3	2926	9.3	230449.0	+5455.2
2658	9.3	215402.9	+5429.2	2748	9.2	221610.1	+5422.5	2837	9.0	223536.6	+5438.4	2927	8.9	230521.0	+5430.7
2659	9.0	215427.7	+5407.4	2749	9.1	221611.0	+5455.6	2838	9.5	223539.5	+5425.5	2928	8.8	230522.1	+5456.3
2660	9.5	215453.4	+5435.8	2750	8.5	221636.2	+5451.6	2839	9.4	223609.6	+5400.8	2929	9.5	230551.6	+5431.9
2661	7.8	215458.7	+5419.6	2751	8.7	221644.2	+5404.3	2840	9.5	223646.2	+5458.7	2930	9.5	230600.9	+5423.1
2662	9.1	215459.0	+5426.1	2752	9.4	221714.1	+5426.2	2841	9.5	223648.4	+5451.9	2931	9.2	230602.2	+5424.6
2663	9.5	215502.6	+5403.8	2753	9.5	221725.7	+5452.5	2842	9.5	223741.6	+5405.9	2932	9.5	230640.4	+5436.8
2664	9.4	215508.2	+5455.8	2754	9.5	221728.9	+5422.7	2843	8.7	223748.5	+5435.1	2933	9.2	230703.4	+5410.0
2665	9.1	215512.9	+5453.3	2755	9.2	221729.2	+5449.8	2844	9.2	223750.6	+5406.5	2934	9.5	230704.3	+5430.3
2666	9.5	215526.0	+5432.1	2756	8.3	221733.0	+5429.8	2845	9.5	223756.3	+5459.0	2935	9.4	230753.6	+5420.5
2667	9.3	215537.8	+5413.3	2757	9.5	221740.6	+5431.9	2846	8.5	223817.5	+5449.6	2936	8.9	230803.9	+5439.7
2668	9.0	215607.0	+5441.0	2758	9.2	221759.0	+5431.1	2847	9.5	223827.9	+5458.9	2937	9.4	230811.6	+5404.7
2669	9.5	215612.8	+5427.3	2759	9.5	221801.2	+5459.4	2848	9.3	223851.3	+5427.2	2938	8.5	230832.6	+5409.0
2670	9.4	215621.9	+5405.6	2760	8.8	221811.5	+5428.4	2849	9.0	223914.4	+5412.4	2939	9.5	230841.8	+5436.3
2671	9.1	215626.1	+5437.4	2761	9.5	221814.4	+5457.4	2850	9.3	223915.9	+5441.0	2940	9.5	230917.0	+5405.5
2672	9.1	215705.9	+5401.0	2762	9.5	221816.4	+5403.8	2851	8.9	223932.3	+5410.7	2941	7.9	231000.0	+5424.0
2673	9.2	215713.8	+5409.2	2763	9.5	221824.7	+5425.4	2852	9.0	224002.8	+5406.0	2942	9.5	231027.1	+5454.6
2674	9.1	215716.2	+5412.7	2764	9.4	221827.9	+5439.5	2853	9.5	224008.3	+5446.5	2943	9.5	231040.0	+5441.5
2675	9.1	215728.4	+5415.5	2765	9.5	221845.1	+5403.9	2854	8.8	224009.8	+5424.0	2944	8.8	231059.8	+5417.9

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2962	9.5	231600.3	+5430.3	3051	9.1	234131.4	+5418.9	25	8.2	00657.5	+5301.3	115	9.4	03231.8	+5323.9
2963	9.0	231635.7	+5417.9	3052	9.3	234205.3	+5411.3	26	9.5	00718.4	+5327.8	116	9.5	03244.7	+5337.9
2964	9.5	231645.3	+5443.1	3053	8.2	234221.5	+5450.2	27	7.1	00723.5	+5316.4	117	9.1	03317.8	+5307.9
2965	9.1	231650.6	+5425.4	3054	9.5	234257.7	+5418.6	28	9.5	00725.9	+5325.2	118	9.4	03330.0	+5358.9
2966	8.7	231702.5	+5449.8	3055	8.9	234324.3	+5418.7	29	9.4	00739.5	+5308.4	119	9.0	03343.8	+5315.0
2967	9.2	231720.4	+5451.8	3056	9.5	234331.9	+5449.0	30	7.0	00845.8	+5308.3	120	8.5	03346.7	+5358.8
2968	8.7	231736.3	+5422.9	3057	9.0	234425.4	+5414.4	31	6.8	00900.9	+5351.3	121	8.9	03352.4	+5309.7
2969	7.5	231817.6	+5417.9	3058	8.8	234455.4	+5439.2	32	9.2	00920.3	+5319.5	122	9.3	03355.2	+5330.4
2970	7.5	231851.0	+5438.2	3059	9.5	234607.0	+5457.5	33	9.5	00937.8	+5348.4	123	9.2	03358.8	+5318.9
2971	9.5	231856.6	+5421.4	3060	9.5	234626.6	+5405.3	34	9.0	01021.1	+5301.4	124	9.5	03409.7	+5314.7
2972	8.8	231919.6	+5418.7	3061	9.3	234630.0	+5404.7	35	9.1	01029.0	+5321.4	125	9.5	03451.1	+5318.4
2973	9.4	231927.7	+5417.9	3062	9.0	234648.4	+5438.2	36	9.5	01053.0	+5344.8	126	9.5	03459.0	+5302.4
2974	9.1	231955.3	+5411.5	3063	9.2	234654.0	+5433.7	37	9.4	01126.1	+5305.3	127	9.5	03502.8	+5312.2
2975	8.7	232009.0	+5411.5	3064	9.2	234658.9	+5446.6	38	9.4	01129.9	+5342.0	128	9.5	03545.2	+5356.1
2976	7.9	232025.6	+5404.2	3065	9.4	234711.0	+5441.7	39	9.5	01159.1	+5337.6	129	8.5	03547.1	+5348.0
2977	9.0	232026.4	+5400.8	3066	8.2	234720.8	+5419.4	40	9.3	01204.5	+5318.8	130	9.0	03610.8	+5335.3
2978	9.3	232035.0	+5445.5	3067	9.5	234733.5	+5413.7	41	9.4	01217.3	+5325.6	131	7.5	03612.0	+5321.0
2979	8.5	232044.9	+5424.3	3068	9.4	234740.2	+5400.7	42	8.6	01229.9	+5324.0	132	9.5	03639.0	+5355.9
2980	9.5	232051.9	+5448.0	3069	9.4	234742.6	+5404.8	43	9.2	01245.8	+5327.5	133	9.5	03659.7	+5351.8
2981	9.2	232056.7	+5441.8	3070	9.0	234756.3	+5431.2	44	9.1	01306.0	+5311.6	134	9.5	03712.6	+5316.3
2982	8.8	232106.7	+5452.5	3071	9.5	234839.0	+5447.1	45	9.5	01307.4	+5325.0	135	9.5	03713.0	+5351.9
2983	9.5	232110.0	+5454.5	3072	9.5	234841.8	+5431.1	46	9.5	01311.4	+5353.5	136	9.5	03751.6	+5321.5
2983a	9.5	232130.0	+5410.2	3073	9.0	234855.5	+5422.5	47	9.5	01324.5	+5307.2	137	8.5	03758.8	+5341.8
2984	9.1	232136.7	+5432.3	3074	9.5	234901.3	+5448.3	48	9.5	01340.5	+5332.1	138	8.0	03759.2	+5351.5
2985	9.1	232139.4	+5430.4	3075	9.5	234939.3	+5438.9	49	9.4	01433.2	+5331.9	139	9.3	03741.7	+5326.6
2986	9.3	232145.1	+5401.5	3076	6.0	234952.5	+5454.6	50	9.2	01434.3	+5310.5	140	9.2	03755.0	+5350.8
2987	9.0	232147.3	+5435.3	3077	9.2	235000.2	+5442.3	51	9.1	01437.1	+5319.3	141	9.1	03758.6	+5329.4
2988	9.0	232149.2	+5407.4	3078	8.8	235002.3	+5421.5	52	8.5	01446.8	+5328.7	142	9.5	03823.1	+5351.1
2989	9.5	232218.0	+5456.5	3079	9.5	235025.4	+5408.2	53	7.1	01500.0	+5350.2	143	8.1	03836.0	+5349.2
2990	9.5	232222.9	+5434.2	3080	9.5	235103.5	+5402.3	54	8.3	01504.2	+5331.7	144	9.5	03919.2	+5315.0
2991	7.8	232229.3	+5421.4	3081	8.5	235132.8	+5434.4	55	9.5	01509.9	+5325.2	145	9.2	03958.3	+5317.0
2992	8.0	232315.0	+5428.3	3082	5.0	235142.3	+5456.9	56	8.1	01510.7	+5328.8	146	8.6	04020.7	+5322.0
2993	9.5	232339.5	+5456.5	3083	9.5	235152.0	+5449.7	57	9.4	01521.5	+5310.9	147	9.2	04033.0	+5321.3
2994	9.4	232340.7	+5437.8	3084	8.8	235207.0	+5419.1	58	9.5	01523.6	+5359.8	148	9.3	04038.5	+5326.3
2995	8.6	232358.3	+5431.3	3085	9.2	235212.4	+5458.8	59	9.0	01527.2	+5344.8	149	9.3	04057.4	+5313.6
2996	9.0	232418.5	+5455.8	3086	9.3	235213.8	+5431.4	60	8.5	01530.0	+5331.1	150	9.4	04106.4	+5313.4
2997	9.3	232419.3	+5421.0	3087	9.5	235217.1	+5428.3	61	8.8	01553.1	+5337.8	151	9.4	04109.2	+5352.1
2998	9.0	232421.5	+5456.2	3088	9.0	235223.1	+5428.1	62	9.0	01602.5	+5321.5	152	9.5	04145.7	+5346.4
2999	9.3	232429.3	+5459.5	3089	9.0	235224.7	+5404.4	63	8.5	01603.4	+5352.8	153	9.5	04222.9	+5356.4
3000	9.1	232430.5	+5446.5	3090	9.4	235232.0	+5429.9	64	7.3	01625.6	+5301.0	154	9.5	04242.5	+5329.5
3001	9.0	232452.7	+5447.1	3091	9.0	235250.9	+5454.0	65	9.0	01633.3	+5334.2	155	9.5	04243.1	+5337.3
3002	8.8	232512.5	+5407.1	3092	8.8	235256.4	+5438.4	66	9.3	01644.7	+5329.1	156	9.1	04314.1	+5326.0
3003	8.5	232515.5	+5458.3	3093	9.0	235320.3	+5453.9	67	8.4	01708.1	+5304.2	157	9.5	04340.2	+5305.2
3004	9.5	232616.5	+5425.9	3094	9.5	235320.7	+5440.9	68	9.5	01810.0	+5331.1	158	9.5	04355.4	+5337.9
3005	9.5	232636.2	+5408.4	3095	9.5	235415.0	+5404.4	69	9.0	01838.5	+5342.4	159	9.4	04358.6	+5302.5
3006	7.3	232720.0	+5441.3	3096	9.5	235444.9	+5438.5	70	9.3	01848.4	+5326.0	160	9.5	04400.0	+5334.9
3007	9.5	232733.8	+5410.5	3097	9.5	235447.8	+5411.1	71	9.5	01858.1	+5347.0	161	9.5	04419.8	+5345.9
3008	9.5	232826.5	+5454.1	3098	9.1	235455.2	+5436.7	72	9.5	01917.0	+5309.0	162	9.1	04426.9	+5306.7
3009	9.5	232830.9	+5459.5	3099	9.5	235503.2	+5448.8	73	9.0	01935.3	+5315.0	163	9.4	04431.0	+5358.9
3010	9.5	232958.4	+5445.1	3100	9.5	235504.3	+5457.5	74	9.5	01942.2	+5354.0	164	9.5	04434.1	+5356.9
3011	9.5	233004.3	+5451.2	3101	8.3	235512.6	+5446.9	75	9.2	02009.4	+5355.1	165	9.5	04434.8	+5343.2
3012	9.5	233013.5	+5421.4	3102	9.5	235542.0	+5445.6	76	9.5	02027.1	+5318.6	166	8.9	04504.9	+5340.8
3013	9.5	233033.6	+5410.9	3102a	30.0	235553.0	+5452.3	77	9.5	02134.8	+5304.0	167	9.2	04507.5	+5329.1
3014	8.9	233039.5	+5408.9	3103	7.9	235601.9	+5444.9	78	9.5	02143.9	+5307.7	168	8.4	04511.9	+5349.8
3015	9.2	233043.6	+5402.8	3104	8.5	235605.8	+5415.6	79	9.5	02212.5	+5339.2	169	8.7	04516.2	+5317.5
3016	9.0	233102.8	+5456.5	3105	9.5	235641.8	+5454.0	80	9.4	02248.2	+5336.2	170	9.5	04520.6	+5333.5
3017	8.5	233112.5	+5425.3	3106	8.3	235647.7	+5429.5	81	8.1	02347.5	+5309.7	171	9.4	04527.9	+5347.1
3018	9.1	233113.8	+5416.9	3107	9.0	235718.7	+5421.5	82	5.2	02348.8	+5343.3	172	9.5	04538.0	+5343.5
3019	8.5	233135.7	+5400.6	3108	8.9	235806.3	+5427.5	83	8.2	02352.4	+5330.0	173	8.9	04559.4	+5344.1
3020	9.0	233145.8	+5451.5	3109	7.0	235812.0	+5453.6	84	9.5	02400.2	+5336.5	174	9.4	04654.1	+5312.3
3021	9.2	233221.0	+5429.2	3110	9.0	235822.5	+5437.4	85	7.4	02413.3	+5301.0	175	9.3	04658.6	+5347.1
3022	9.4	233230.6	+5433.7	3111	9.4	235904.9	+5412.3	86	8.5	02425.4	+5308.8	176	8.0	04710.2	+5335.3
3023	9.4	233259.0	+5444.6	3112	9.0	235909.6	+5438.6	87	9.5	02439.1	+5312.9	177	9.3	04717.5	+5314.9
3024	8.8	233339.7	+5425.3	3113	9.0	235932.5	+5405.2	88	9.5	02444.2	+5350.6	178	9.0	04728.0	+5353.0
3025	7.9	233344.9	+5420.4	3114	9.4	235933.0	+5403.8	89	9.5	02444.9	+5329.3	179	8.5	04742.7	+5319.4
3026	9.3	233416.0	+5412.5	3115	8.8	235955.1	+5450.0	90	7.3	02447.8	+5319.2	180	9.0	04745.0	+5314.4
3027	9.5	233454.5	+5457.8	1	9.5	00024.6	+5357.9	91	9.5	02457.0	+5326.1	181	9.5	04829.4	+5336.9
3028	9.4	233535.1	+5401.8	2	9.5	00049.9	+5309.5	92	9.5	02458.2	+5353.2	182	9.5	04850.0	+5330.2
3029	9.5	233607.4	+5407.0	3	9.0	00052.3	+5353.7	93	9.5	02458.5	+5329.1	183	9.4	04855.9	+5335.2
3030	9.4	233610.5	+5459.3	4	9.2	00053.8	+5314.8	94	9.0	02515.8	+5309.9	184	8.4	04907.9	+5336.7
3031	9.2	233627.0	+5454.1	5	9.3	00110.9	+5320.3	95	9.2	02517.5	+5321.2	185	9.1	04952.6	+5338.5
3032	9.2	233656.0	+5445.6	6	8.3	00111.9	+5300.3	96	9.4	02531.0	+5350.4	186	9.3	05000.1	+5352.5
3033	6.8	233720.4	+5424.3	7	9.5	00117.3	+5351.5	97	9.2	02545.5	+5359.7	187	9.5	05019.6	+5304.6
3034	9.3	233726.5	+5401.5	8	9.3	00124.1	+5333.6	98	7.3	02613.0	+5315.9	188	9.5	05023.2	+5328.7
3035	7.7	233727.9	+5440.6	9	8.7	00201.4	+5332.7	99	9.3	02640.1	+5302.6	189	9.3	05025.0	+5301.4
3036	8.2	233739.9	+5434.7	10	9.4	00212.8	+								

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+53 924 5h23m

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925	9.5	52327.9	+5318.7	1015	9.5	61319.2	+5344.1	1105	9.5	65711.4	+5346.2	1195	8.5	74233.3	+5308.7
926	9.5	52359.4	+5339.8	1016	9.4	61358.1	+5313.0	1106	8.9	65713.3	+5319.7	1196	9.3	74252.8	+5311.7
927	9.5	52654.6	+5340.2	1017	8.5	61404.2	+5307.9	1107	9.0	65720.8	+5354.3	1197	9.2	74309.5	+5321.7
928	8.5	52712.9	+5328.4	1018	9.1	61408.8	+5349.3	1108	9.5	65722.5	+5314.7	1198	9.5	74427.3	+5307.1
929	9.0	52742.4	+5346.8	1019	9.5	61458.7	+5330.9	1109	9.3	65821.0	+5327.0	1199	9.2	74445.9	+5321.7
930	9.0	52818.5	+5326.3	1020	9.4	61526.5	+5327.2	1110	9.0	65837.7	+5342.8	1200	8.8	74656.3	+5316.1
931	9.5	52903.7	+5357.9	1021	9.4	61530.3	+5357.0	1111	8.4	65853.8	+5328.5	1201	9.5	74755.4	+5306.7
932	9.5	52916.2	+5352.4	1022	9.1	61533.7	+5300.1	1112	9.0	65922.5	+5325.3	1202	9.5	74816.2	+5314.5
933	9.5	52920.0	+5341.1	1023	9.5	61608.7	+5325.5	1113	9.4	70031.7	+5336.5	1203	8.7	74833.3	+5344.9
934	6.3	52936.6	+5324.3	1024	8.3	61617.3	+5307.9	1114	9.4	70100.5	+5311.3	1204	9.4	74846.7	+5351.3
935	9.4	52946.7	+5326.6	1025	9.2	61735.4	+5314.3	1115	9.2	70109.5	+5317.2	1205	9.5	74855.0	+5322.2
936	9.4	52950.6	+5314.1	1026	9.5	61810.9	+5355.0	1116	9.4	70157.7	+5344.4	1206	9.3	74915.3	+5350.8
937	9.5	53024.0	+5316.2	1027	9.2	61842.4	+5300.0	1117	9.3	70205.8	+5336.9	1207	9.1	74942.7	+5322.9
938	9.1	53034.1	+5325.4	1028	9.3	61900.8	+5350.2	1118	9.5	70207.4	+5333.6	1208	9.3	75052.1	+5334.4
939	9.2	53041.7	+5327.5	1029	9.0	61917.0	+5355.0	1119	9.3	70243.7	+5304.2	1209	9.4	75116.4	+5324.4
940	9.4	53124.7	+5334.4	1030	9.2	61926.8	+5356.5	1120	9.5	70302.3	+5322.3	1210	9.3	75209.3	+5353.7
941	8.5	53345.2	+5313.4	1031	7.9	61929.4	+5351.1	1121	8.0	70304.2	+5349.7	1211	7.7	75220.8	+5309.2
942	9.4	53437.6	+5345.7	1032	9.2	62019.0	+5310.2	1122	9.3	70305.9	+5350.9	1212	8.7	75226.9	+5335.8
943	9.5	53447.8	+5336.8	1033	9.4	62056.0	+5319.3	1123	8.9	70337.2	+5354.6	1213	9.4	75252.8	+5341.0
944	9.5	53454.7	+5316.3	1034	9.1	62057.8	+5336.4	1124	9.5	70350.4	+5338.5	1214	9.5	75307.4	+5321.9
945	9.5	53609.7	+5327.5	1035	9.0	62144.2	+5344.3	1125	9.5	70355.4	+5345.3	1215	9.1	75440.5	+5315.1
946	9.4	53616.3	+5341.6	1036	9.4	62229.3	+5349.3	1126	9.5	70505.8	+5300.8	1216	9.3	75551.3	+5305.8
947	9.5	53637.8	+5302.5	1037	9.5	62332.8	+5321.8	1127	9.1	70610.5	+5348.7	1217	6.9	75608.6	+5342.9
948	8.9	53642.2	+5344.8	1038	9.3	62443.3	+5328.6	1128	8.8	70650.4	+5334.4	1218	8.2	75616.3	+5358.7
949	8.6	53647.4	+5343.6	1039	8.0	62529.9	+5335.2	1129	9.5	70706.9	+5324.8	1219	9.5	75622.3	+5341.0
950	8.5	53709.6	+5357.9	1040	8.8	62604.5	+5338.1	1130	9.5	70709.7	+5351.6	1220	9.4	75745.5	+5301.4
951	9.0	53753.0	+5328.0	1041	9.2	62620.4	+5319.2	1131	9.5	70715.2	+5347.3	1221	7.0	80002.8	+5339.9
952	8.8	53900.3	+5358.8	1042	9.5	62718.0	+5332.4	1132	9.4	70842.5	+5328.8	1222	9.3	80152.9	+5346.8
953	9.0	53911.9	+5326.5	1043	9.5	62727.5	+5337.5	1133	9.0	71011.2	+5334.2	1223	9.4	80229.1	+5340.9
954	8.9	53915.4	+5308.9	1044	9.5	62741.2	+5310.5	1134	9.2	71012.2	+5332.7	1224	8.5	80352.2	+5322.1
955	8.9	53931.5	+5322.8	1045	9.5	62747.1	+5325.4	1135	9.4	71013.6	+5324.4	1225	8.6	80428.2	+5341.8
956	9.5	53959.2	+5351.9	1046	9.5	62758.1	+5339.7	1136	9.3	71106.9	+5300.3	1226	8.4	80621.9	+5321.8
957	9.0	54010.2	+5346.1	1047	9.2	62802.0	+5356.3	1137	9.4	71108.2	+5325.1	1227	9.5	80631.6	+5309.5
958	9.2	54112.0	+5352.8	1048	9.5	62826.7	+5329.8	1138	8.0	71110.8	+5307.2	1228	9.1	80726.5	+5316.3
959	9.3	54116.7	+5316.3	1049	7.6	62921.8	+5331.0	1139	9.3	71239.0	+5350.4	1229	9.4	80832.6	+5343.4
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961	9.0	54263.1	+5356.9	1051	9.0	63038.2	+5301.6	1141	9.3	71428.6	+5327.8	1231	9.5	80843.4	+5343.4
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963	9.0	54354.3	+5325.0	1053	9.5	63117.7	+5324.2	1143	8.9	71515.4	+5303.7	1233	9.4	80904.8	+5300.5
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965	9.5	54416.2	+5349.1	1055	9.0	63129.8	+5310.0	1145	9.2	71542.8	+5303.8	1235	9.5	80954.4	+5355.1
966	8.2	54435.3	+5332.0	1056	6.5	63228.4	+5325.7	1146	8.7	71616.2	+5347.3	1236	9.5	81032.0	+5326.1
967	8.5	54449.9	+5318.6	1057	9.1	63312.7	+5336.5	1147	9.1	71623.3	+5314.0	1237	9.5	81057.3	+5341.8
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969	9.5	54516.5	+5320.7	1059	8.5	63404.4	+5346.4	1149	8.9	71712.4	+5328.5	1239	8.5	81146.2	+5331.7
970	9.2	54516.9	+5334.4	1060	9.5	63405.4	+5337.6	1150	9.4	71723.6	+5346.8	1240	9.2	81151.2	+5305.0
971	9.0	54544.0	+5358.1	1061	9.2	63433.9	+5330.1	1151	9.5	71757.0	+5358.1	1241	9.3	81152.8	+5350.1
972	9.1	54552.7	+5351.7	1062	9.1	63512.5	+5355.9	1152	9.0	71850.1	+5310.7	1242	9.3	81154.3	+5331.5
973	9.1	54629.7	+5319.7	1063	8.9	63517.9	+5341.0	1153	9.3	71911.2	+5314.6	1243	9.4	81211.9	+5302.3
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978	9.1	54846.3	+5311.9	1068	9.5	63755.5	+5302.1	1158	9.3	72036.4	+5333.1	1248	9.2	81506.5	+5306.9
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980	9.5	55045.8	+5301.2	1070	8.5	63809.4	+5355.8	1160	9.2	72107.1	+5327.3	1250	9.5	81646.3	+5312.8
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982	9.1	55134.2	+5311.9	1072	9.3	63848.5	+5337.1	1162	9.5	72206.3	+5328.3	1252	7.7	81657.8	+5355.5
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984	9.2	55145.4	+5315.7	1074	9.3	63908.8	+5336.2	1164	8.5	72246.2	+5352.7	1254	9.1	81758.2	+5316.3
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986	9.0	55257.1	+5349.7	1076	9.4	63928.0	+5331.7	1166	9.3	72510.4	+5354.1	1256	9.5	81907.5	+5334.2
987	9.5	55346.8	+5313.0	1077	9.3	64011.3	+5311.8	1167	8.7	72623.5	+5340.3	1257	9.5	81940.9	+5307.5
988	9.5	55453.7	+5309.0	1078	9.5	64014.6	+5343.4	1168	9.5	72623.8	+5305.7	1258	8.5	82030.8	+5326.4
989	8.0	55633.8	+5308.5	1079	9.5	64037.0	+5342.7	1169	9.0	72744.5	+5344.9	1259	6.4	82141.6	+5335.4
990	9.4	55701.0	+5313.4	1080	9.2	64118.5	+5322.0	1170	8.9	72750.9	+5336.4	1260	9.5	82302.0	+5323.3
991	9.3	55827.5	+5311.0	1081	9.0	64225.9	+5332.7	1171	8.7	72828.8	+5300.8	1261	9.4	82309.1	+5306.9
992	9.5	55908.6	+5306.6	1082	9.4	64321.7	+5328.0	1172	9.3	72845.3	+5357.7	1262	9.1	82329.3	+5339.6
993	9.0	55908.6	+5330.6	1083	8.9	64422.0	+5337.6	1173	8.7	72851.4	+5351.8	1263	9.5	82422.8	+5319.8
994	8.0	55919.1	+5338.4	1084	9.5	64422.2	+5315.4	1174	9.4	72859.2	+5337.8	1264	9.3	82520.3	+5306.5
995	9.1	55932.8	+5217.4	1085	8.5	64549.2	+5301.6	1175	9.0	72924.2	+5300.9	1265	9.5	82524.9	+5329.7
996	9.5	55939.8	+5306.1	1086	9.5	64553.0	+5320.8	1176	9.5	72945.3	+5346.4	1266	8.8	82619.2	+5306.0
997	8.2	60003.3	+5350.2	1087	9.5	64637.8	+5308.4	1177	8.2	73018.9	+5330.2	1267	9.1	82645.4	+5313.3
998	9.4	60153.7	+5342.8	1088	9.5	64655.2	+5312.0	1178	9.2	73226.2	+5306.3	1268	6.8	82731.1	+5352.9
999	9.4	60258.8	+5304.4	1089	9.5	64682.8	+5314.3	1179	9.5	73226.3	+5329.7	1269	6.6	82814.0	+5324.8
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1285 8.3 83800.2 +5327.5	1375 8.3 94922.1 +5357.5	1465 8.6 105911.5 +5350.4	1555 9.5 122519.0 +5339.4
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1289 9.5 84416.0 +5347.1	1379 9.5 95224.3 +5334.1	1469 9.4 110101.5 +5315.0	1559 9.1 122934.4 +5333.0
1290 8.0 84422.1 +5329.5	1380 8.5 95227.1 +5305.2	1470 8.5 110257.3 +5349.9	1560 9.5 123030.5 +5349.1
1291 7.3 84424.2 +5321.0	1381 9.3 95231.8 +5340.7	1471 9.5 110301.6 +5303.7	1561 9.5 123038.9 +5309.6
1292 8.5 84537.6 +5336.1	1382 9.5 95400.9 +5330.8	1472 9.0 110302.2 +5333.9	1562 9.4 123324.5 +5350.5
1293 9.4 84538.0 +5329.1	1383 9.1 95402.6 +5356.5	1473 9.0 110327.0 +5320.0	1563 9.5 123520.8 +5330.2
1294 9.5 84636.4 +5340.1	1384 6.5 95538.9 +5303.3	1474 9.2 110331.3 +5359.8	1564 9.5 123729.3 +5354.0
1295 9.5 84646.3 +5328.8	1385 9.5 95715.2 +5341.5	1475 9.5 110350.2 +5350.9	1565 8.9 123824.4 +5309.8
1296 9.5 84701.5 +5311.0	1386 9.3 95732.4 +5325.4	1476 7.7 110514.3 +5339.2	1566 9.2 123840.4 +5355.5
1297 9.4 84726.1 +5313.8	1387 8.0 95810.6 +5355.0	1477 9.5 110539.5 +5308.2	1567 9.0 123847.3 +5354.0
1298 9.4 84739.5 +5347.1	1388 8.5 95844.8 +5347.2	1478 9.5 110545.4 +5321.5	1568 7.3 124047.2 +5339.1
1299 9.5 84815.4 +5322.3	1389 9.5 95845.4 +5320.5	1479 7.2 110612.9 +5343.7	1569 6.5 124139.1 +5314.4
1300 7.9 84942.9 +5353.4	1390 9.1 95858.5 +5351.6	1480 6.5 110742.7 +5333.6	1570 9.5 124218.0 +5336.3
1301 9.0 85033.9 +5314.0	1391 8.0 95938.6 +5345.2	1481 9.5 110920.6 +5330.0	1571 9.1 124502.7 +5318.9
1302 9.5 85117.5 +5356.9	1392 9.4 95945.0 +5333.3	1482 9.5 110945.3 +5358.2	1572 9.5 124529.1 +5307.0
1303 9.4 85130.8 +5306.2	1393 9.5 100043.5 +5302.2	1483 9.5 111039.3 +5333.2	1573 9.5 124616.8 +5301.6
1304 9.0 85243.4 +5319.5	1394 9.1 100103.5 +5345.2	1484 9.5 111112.5 +5304.9	1574 9.5 124722.4 +5333.3
1305 7.0 85302.7 +5340.3	1395 9.2 100429.5 +5315.1	1485 9.0 111324.9 +5337.2	1575 9.5 124756.5 +5322.2
1306 9.5 85347.8 +5320.9	1396 9.5 100508.2 +5334.8	1486 9.0 111335.8 +5321.8	1576 9.5 124806.7 +5316.7
1307 9.0 85425.1 +5350.9	1397 8.0 100810.1 +5300.8	1487 9.1 111501.1 +5312.6	1577 7.5 124916.3 +5331.8
1308 8.4 85556.0 +5349.5	1398 9.2 100832.4 +5322.2	1488 9.4 111732.6 +5350.9	1578 9.4 124921.4 +5334.8
1309 7.3 85621.3 +5332.7	1399 9.5 101107.4 +5336.9	1489 9.3 111946.0 +5322.3	1579 9.0 124930.4 +5352.4
1310 9.0 85628.6 +5302.7	1400 9.5 101233.6 +5310.3	1490 9.3 112054.5 +5355.4	1580 8.8 125118.2 +5310.4
1311 9.5 85634.8 +5327.8	1401 9.5 101310.9 +5351.5	1491 9.4 112101.5 +5333.0	1581 8.3 125145.6 +5320.1
1312 8.4 85739.5 +5350.4	1402 9.3 101433.4 +5347.4	1492 8.8 112225.0 +5325.1	1582 9.3 125158.5 +5334.1
1313 8.0 85758.4 +5351.5	1403 9.3 101440.0 +5337.4	1493 9.5 112311.4 +5312.3	1583 9.0 125242.3 +5347.1
1314 9.4 90010.5 +5338.9	1404 7.3 101649.2 +5322.0	1494 9.5 112339.9 +5311.8	1584 9.4 125302.3 +5333.2
1315 9.0 90122.9 +5320.2	1405 9.0 101822.8 +5322.3	1495 9.5 112431.5 +5349.1	1585 8.8 125310.8 +5340.4
1316 9.5 90138.2 +5313.0	1406 9.4 101847.2 +5331.9	1496 9.2 112440.1 +5335.3	1586 7.0 125440.6 +5319.3
1317 9.5 90213.8 +5312.5	1407 9.3 101938.2 +5338.9	1497 8.8 112458.4 +5321.3	1587 9.5 125533.9 +5347.1
1318 9.2 90255.8 +5336.5	1408 8.9 101957.5 +5322.6	1498 9.4 112600.7 +5333.3	1588 8.6 125606.8 +5310.9
1319 8.9 90306.9 +5337.7	1409 9.1 102013.7 +5314.7	1499 9.2 112654.3 +5312.8	1589 8.7 125612.5 +5301.2
1320 8.0 90427.1 +5318.2	1410 9.0 102018.6 +5339.6	1500 9.5 112658.5 +5318.2	1590 9.4 125704.9 +5356.4
1321 8.0 90429.0 +5318.4	1411 9.4 102049.1 +5323.6	1501 9.5 113043.9 +5313.3	1591 9.2 125729.2 +5322.9
1322 9.0 90555.7 +5310.0	1412 9.5 102058.2 +5330.0	1502 9.4 113126.9 +5333.3	1592 8.8 125800.4 +5314.0
1323 9.0 90601.2 +5313.0	1413 9.5 102139.5 +5311.8	1503 8.0 113228.2 +5303.0	1593 9.5 125804.9 +5338.4
1324 9.4 90610.0 +5351.3	1414 9.5 102247.3 +5353.3	1504 9.3 113337.5 +5341.1	1594 9.5 125813.4 +5310.0
1325 9.3 90648.7 +5302.6	1415 9.5 102416.6 +5332.0	1505 9.2 113510.1 +5356.4	1595 9.4 125819.2 +5307.1
1326 8.7 90703.5 +5330.7	1416 9.0 102423.7 +5328.2	1506 7.0 113558.4 +5312.8	1596 8.5 125930.3 +5315.3
1327 8.5 90704.2 +5316.9	1417 8.6 102430.3 +5358.3	1507 9.5 113628.0 +5346.6	1597 9.4 125946.7 +5357.1
1328 8.8 90840.1 +5305.5	1418 9.0 102527.8 +5353.3	1508 8.8 113829.8 +5310.9	1598 8.3 130008.7 +5301.1
1329 9.1 90855.0 +5318.4	1419 9.0 102603.8 +5309.1	1509 9.4 113932.7 +5337.8	1599 8.8 130037.9 +5342.7
1330 7.0 91016.7 +5304.0	1420 9.1 102629.5 +5354.7	1510 9.4 113951.4 +5351.1	1600 9.4 130103.2 +5353.1
1331 9.5 91057.9 +5351.0	1421 9.5 102638.4 +5329.1	1511 7.8 114009.6 +5349.2	1601 9.3 130115.6 +5358.1
1332 8.5 91219.7 +5332.6	1422 8.8 102857.8 +5357.7	1512 9.5 114212.0 +5321.0	1602 9.5 130136.3 +5307.0
1333 9.2 91230.0 +5352.4	1423 9.5 102911.8 +5317.7	1513 9.5 114757.1 +5359.5	1603 9.3 130411.5 +5330.7
1334 9.4 91234.9 +5329.7	1424 8.6 102915.5 +5324.5	1514 9.2 114836.7 +5339.5	1604 8.6 130413.3 +5312.1
1335 9.0 91305.0 +5354.2	1425 9.5 103053.0 +5314.3	1515 9.5 114840.8 +5313.2	1605 9.0 130414.4 +5342.5
1336 9.4 91749.8 +5311.2	1426 9.5 103147.6 +5311.8	1516 8.4 114917.8 +5353.6	1606 8.9 130716.1 +5338.3
1337 9.3 91757.5 +5309.9	1427 7.0 103219.8 +5343.5	1517 8.5 114920.8 +5305.6	1607 8.2 130823.0 +5345.2
1338 9.5 91956.3 +5312.5	1428 9.4 103301.0 +5308.4	1518 9.2 115030.4 +5323.8	1608 8.3 130908.6 +5302.9
1339 8.8 92029.5 +5325.7	1429 9.4 103303.4 +5311.3	1519 9.3 115106.2 +5323.5	1609 9.5 130935.0 +5322.6
1340 9.4 92203.8 +5309.1	1430 9.2 103417.6 +5303.5	1520 8.7 115346.7 +5337.0	1610 9.3 131104.0 +5312.3
1341 9.1 92207.8 +5332.3	1431 9.4 103448.8 +5353.9	1521 9.3 115442.5 +5318.7	1611 9.5 131142.5 +5320.1
1342 9.0 92224.4 +5344.9	1432 7.5 103532.5 +5310.3	1522 9.5 115454.3 +5312.7	1612 9.5 131146.1 +5349.6
1343 9.3 92228.2 +5313.1	1433 9.5 103727.6 +5303.5	1523 9.4 115504.4 +5301.1	1613 9.5 131207.8 +5329.4
1344 9.3 92316.6 +5323.6	1434 9.5 103912.7 +5331.2	1524 9.5 115746.0 +5334.8	1614 9.4 131247.5 +5303.4
1345 9.5 92339.8 +5353.4	1435 9.5 103950.2 +5332.1	1525 7.7 115812.1 +5340.9	1615 9.0 131402.5 +5344.5
1346 9.3 92340.7 +5300.2	1436 7.7 104137.3 +5302.9	1526 9.4 115814.1 +5304.8	1616 9.2 131402.9 +5328.1
1347 7.5 92349.7 +5304.1	1437 9.2 104159.8 +5316.5	1527 9.5 115909.4 +5303.7	1617 9.1 131418.6 +5333.8
1348 9.3 92351.4 +5356.8	1438 9.5 104228.0 +5331.5	1528 9.5 120039.7 +5332.8	1618 8.0 131456.1 +5328.2
1349 9.3 92401.0 +5317.9	1439 6.2 104347.5 +5319.7	1529 9.5 120051.0 +5308.1	1619 9.5 131517.0 +5354.9
1350 8.2 92538.6 +5357.2	1440 6.0 104349.5 +5316.7	1530 9.0 120202.8 +5322.9	1620 9.5 131527.2 +5309.9
1351 8.3 92601.9 +5357.2	1441 9.3 104502.2 +5329.2	1531 9.4 120305.7 +5354.1	1621 9.5 131820.8 +5330.5
1352 9.3 92808.7 +5313.9	1442 9.0 104515.4 +5334.8	1532 9.3 120446.1 +5328.8	1622 6.3 132210.1 +5329.8
1353 8.0 93106.7 +5316.4	1443 8.8 104557.9 +5309.4	1533 9.0 120509.4 +5336.4	1623 9.5 132309.0 +5339.6
1354 9.0 93149.1 +5350.3	1444 8.5 104758.2 +5355.2	1534 9.5 120547.0 +5310.1	1624 7.8 132330.0 +5357.0
1355 9.0 93205.1 +5353.1	1445 8.5 104819.6 +5309.9	1535 8.3 120816.3 +5331.5	1625 9.1 132336.5 +5331.1
1356 8.3 93319.1 +5346.5	1446 9.0 104820.2 +5312.3	1536 9.5 121132.4 +5346.0	1626 9.3 132448.2 +5314.3
1357 8.3 93341.6 +5339.5	1447 8.9 104821.9 +5343.9	1537 8.2 121159.9 +5314.9	1627 9.3 132454.1 +5307.0
1358 8.3 93446.5 +5327.6	1448 9.0 104834.4 +5340.6	1538 8.5 121205.6 +5321.2	1628 8.7 132530.0 +5354.4
1359 9.3 93636.3 +5327.6	1449 9.5 104845.0 +5314.2	1539 9.5 121349.9 +5355.4	1629 9.3 132538.5 +5341.0
1360 9.5 93737.1 +5326.2	1450 8.4 104925.8 +5311.8	1540 9.1 121503.2 +5307.0	1630 9.5 132638.7 +5317.3
1361 7.2 93956.6 +5333.8	1451 9.5 104950.6 +5324.5	1541 8.3 121613.4 +5359.9	1631 8.8 132652.7 +5340.5
1362 9.1 94050.3 +5329.8	1452 9.5 104957.8 +5353.1	1542 9.4 121636.9 +5303.1	1632 9.2 132652.8 +5313.2
1363 9.0 94052.6 +5348.1	1453 8.4 105111.0 +5302.4	1543 9.5 121652.2 +5352.9	1633 9.5 132747.2 +5308.9
1364 8.8 94117.6 +5353.1	1454 9.3 105148.0 +5323.0	1544 9.5 121754.0 +5339.5	1634 8.2 132957.8 +5327.2
1365 9.1 94201.0 +5322.7	1455 7.1 105302.5 +5329.7	1545 9.0 121834.9 +5341.1	1635 7.2 133051.1 +5325.9
1366 8.7 94218.2 +5349.3	1456 9.5 105311.2 +5332.2	1546 9.5 121855.2 +5314.8	1636 8.7 133111.4 +5321.0
1367 9.5 94230.2 +5348.6	1457 8.0 105353.9 +5359.2	1547 8.2 121907.6 +5328.8	1637 7.0 133132.1 +5319.1
1368 9.2 94231.2 +5337.9	1458 8.0 105429.6 +5304.2	1548 9.3 121910.4 +5352.9	1638 9.5 133236.5 +5346.6
1369 8.8 94308.7 +5316.4	1459 9.1 105535.1 +5307.7	1549 9.1 121930.7 +5316.9	1639 9.2 133322.1 +5326.9
1370 9.5 94425.7 +5301.6	1460 9.5 105554.2 +5353.7	1550 9.3 122154.9 +5351.0	1640 5.8 133355.1 +5338.8
1371 9.1 94425.8 +5316.3	1461 9.4 105702.8 +5309.3	1551 9.3 122216.0 +5351.0	1641 9.2 133425.6 +5310.8
1372 9.4 94456.3 +5328.0	1462 9.3 105719.0 +5328.1	1552 9.5 122237.3 +5335.4	1642 7.6 133435.0 +5351.3
1373 9.5 94800.8 +5333.3	1463 7.2 105724.3 +5306.5	1553 9.4 122252.8 +5348.6	1643 9.1 133447.2 +5357.7
1374 9.5 94907.1 +5352.7	1464 8.8 105755.2 +5359.2	1554 6.5 122356.8 +5351.5	1644 7.1 133447.7 +5355.7

*53 1645 13h34m

*53 2003 17h51m

1645	9.3	133455.5	+5329.2	1735	9.0	144323.6	+5349.7	1825	9.4	155015.4	+5331.2	1914	9.5	170008.3	+5344.8
1646	7.1	133504.6	+5330.5	1736	9.0	144331.2	+5346.8	1826	9.5	155103.1	+5329.8	1915	7.8	170043.4	+5324.4
1647	9.5	133608.7	+5319.7	1737	8.1	144339.9	+5313.8	1827	9.5	155108.2	+5300.6	1916	8.2	170107.6	+5300.9
1648	9.5	133618.5	+5340.1	1738	8.7	144410.7	+5339.4	1828	9.5	155136.8	+5328.1	1917	8.5	170145.0	+5320.5
1649	8.9	133619.4	+5309.6	1739	9.5	144512.3	+5341.4	1829	9.3	155204.4	+5313.5	1918	8.3	170236.1	+5356.1
1650	9.5	133631.0	+5325.3	1740	9.5	144518.8	+5331.5	1830	9.5	155320.9	+5340.2	1919	9.3	170245.8	+5322.8
1651	9.5	133723.8	+5308.0	1741	7.3	144539.0	+5300.2	1831	9.3	155329.7	+5336.9	1920	9.2	170403.6	+5314.2
1652	9.5	133727.2	+5312.2	1742	9.5	144545.5	+5317.5	1832	8.0	155557.3	+5333.3	1921	9.5	170523.1	+5349.7
1653	9.1	133731.5	+5353.4	1743	9.0	144645.6	+5350.7	1833	9.2	155603.5	+5311.0	1922	9.5	170611.8	+5316.1
1654	9.2	134021.3	+5334.1	1744	7.4	144733.7	+5311.1	1834	6.0	155825.0	+5319.0	1923	9.5	170613.7	+5313.1
1655	9.5	134133.2	+5304.5	1745	9.4	144744.0	+5323.0	1835	8.2	155938.2	+5337.3	1924	9.5	170859.4	+5337.6
1656	9.5	134216.8	+5313.5	1746	9.5	144859.6	+5339.4	1836	8.9	155938.9	+5351.3	1925	9.5	170908.2	+5316.7
1657	8.8	134237.6	+5303.7	1747	8.9	144934.9	+5357.9	1837	8.8	155951.9	+5348.5	1926	9.2	171126.9	+5359.7
1658	8.5	134309.6	+5357.9	1748	9.2	145100.0	+5302.2	1838	9.5	160015.5	+5310.6	1927	8.5	171139.1	+5346.7
1659	9.5	134317.0	+5337.2	1749	9.4	145106.2	+5359.3	1839	8.9	160049.8	+5307.6	1928	9.4	171226.6	+5338.8
1660	9.0	134334.3	+5322.6	1750	7.5	145112.0	+5308.6	1840	9.2	160111.3	+5336.6	1929	9.0	171218.9	+5348.5
1661	9.5	134347.8	+5310.3	1751	8.8	145119.3	+5314.7	1841	8.2	160241.9	+5341.2	1930	9.4	171226.3	+5349.9
1662	8.7	134418.4	+5302.4	1752	8.6	145231.9	+5357.8	1842	8.4	160344.3	+5353.8	1931	8.6	171344.0	+5332.7
1663	7.5	134534.5	+5359.9	1753	8.7	145435.0	+5321.5	1843	9.3	160252.3	+5338.3	1932	8.8	171509.6	+5347.2
1664	7.2	134624.6	+5333.4	1754	9.5	145549.1	+5328.2	1844	9.5	160348.6	+5300.1	1933	9.3	171521.0	+5313.0
1665	9.2	134630.0	+5329.5	1755	9.5	145624.8	+5347.7	1845	9.3	160441.2	+5313.0	1934	8.8	171523.1	+5354.6
1666	9.5	134636.0	+5322.6	1756	9.3	145719.9	+5326.8	1846	9.4	160442.2	+5330.7	1935	8.6	171529.6	+5338.4
1667	6.3	134753.9	+5302.3	1757	9.5	145746.2	+5312.8	1847	9.4	160505.5	+5313.0	1936	9.3	171620.0	+5315.7
1668	9.2	134902.3	+5321.7	1758	9.5	150027.2	+5312.3	1848	8.0	160543.7	+5317.4	1937	6.0	171837.3	+5333.6
1669	9.0	134935.8	+5319.0	1759	9.5	150117.3	+5312.6	1849	9.5	160605.0	+5334.8	1938	8.9	171858.7	+5359.0
1670	9.2	134953.5	+5313.6	1760	9.3	150144.5	+5348.6	1850	7.5	160655.5	+5324.9	1939	9.5	171901.3	+5352.5
1671	9.5	135008.6	+5350.5	1761	7.8	150234.9	+5352.5	1851	9.4	160809.0	+5312.5	1940	9.5	171928.4	+5305.1
1672	9.3	135028.9	+5317.2	1762	7.3	150301.1	+5318.2	1852	9.5	160829.4	+5352.8	1941	8.1	172029.7	+5328.2
1673	9.5	135037.8	+5340.1	1763	7.5	150316.9	+5332.8	1853	9.4	160835.1	+5318.5	1942	9.5	172030.4	+5312.0
1674	9.2	135048.0	+5308.3	1764	9.1	150356.2	+5333.5	1854	9.4	161041.0	+5309.5	1943	9.5	172104.4	+5338.4
1675	9.3	135219.3	+5335.1	1765	9.5	150407.7	+5319.5	1855	9.4	161043.2	+5324.8	1944	9.5	172154.6	+5319.2
1676	7.3	135336.5	+5348.1	1766	7.1	150419.4	+5348.6	1856	7.0	161216.3	+5336.3	1945	7.5	172159.7	+5315.3
1677	9.5	135425.5	+5350.5	1767	9.2	150514.0	+5352.0	1857	9.5	161258.0	+5328.1	1946	9.5	172425.5	+5329.9
1678	8.0	135437.3	+5309.8	1768	8.9	150518.2	+5300.0	1858	9.5	161402.4	+5353.8	1947	9.3	172538.1	+5320.8
1679	8.8	135445.6	+5338.1	1769	9.5	150627.7	+5310.5	1859	9.4	161419.2	+5337.1	1948	9.5	172540.8	+5324.6
1680	9.5	135646.0	+5323.0	1770	8.5	150803.2	+5331.8	1860	9.5	161521.4	+5356.8	1949	9.5	172548.0	+5317.2
1681	9.5	135702.5	+5306.8	1771	7.5	150811.9	+5328.6	1861	8.8	161524.6	+5352.7	1950	9.4	172632.0	+5304.0
1682	9.5	135718.6	+5359.9	1772	9.1	150951.7	+5308.1	1862	9.4	161748.3	+5331.1	1951	9.5	172644.8	+5329.1
1683	9.5	135854.0	+5340.6	1773	8.8	151539.4	+5316.5	1863	9.0	161903.1	+5351.4	1952	9.4	172647.8	+5301.8
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1685	7.7	135913.4	+5306.7	1775	8.2	151723.3	+5335.1	1864	9.4	162057.7	+5324.1	1954	8.9	172702.3	+5311.0
1686	7.0	140131.0	+5359.9	1776	9.2	151800.4	+5316.5	1865	7.9	162136.9	+5327.4	1955	8.8	172716.5	+5315.0
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1696	9.5	140739.8	+5311.2	1786	9.2	152616.9	+5336.2	1875	5.3	163246.9	+5311.2	1965	9.1	173456.7	+5359.3
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2742	8.9	215124.2	+5355.8	2832	8.9	221047.7	+5313.3	2922	8.9	222932.1	+5335.9	3012	9.2	224556.7	+5315.1
2743	9.5	215125.1	+5326.5	2833	9.5	221048.0	+5327.0	2923	9.0	222949.7	+5347.2	3013	8.7	224559.4	+5340.1
2744	9.5	215129.9	+5334.0	2834	9.0	221049.5	+5318.6	2924	8.4	222952.2	+5327.4	3014	9.2	224559.4	+5310.6
2745	9.5	215143.7	+5341.4	2835	9.5	221105.2	+5341.7	2925	9.5	222959.0	+5337.0	3015	9.5	224626.1	+5354.8
2746	9.4	215217.9	+5354.7	2836	9.5	221133.8	+5328.1	2926	9.5	223015.5	+5349.1	3016	9.5	224670.5	+5303.8
2747	9.5	215239.8	+5358.6	2837	9.4	221139.0	+5328.8	2927	9.5	223019.3	+5309.3	3017	9.3	224714.9	+5311.2
2748	9.1	215315.4	+5352.3	2838	8.5	221140.4	+5347.1	2928	9.5	223018.5	+5356.9	3018	9.5	224719.8	+5314.0
2749	8.8	215321.3	+5347.2	2839	9.5	221158.0	+5351.2	2929	9.5	223030.8	+5334.2	3019	9.4	224722.4	+5307.7
2750	9.4	215325.3	+5351.3	2840	9.5	221207.9	+5322.8	2930	9.5	223034.4	+5325.0	3020	9.4	224724.5	+5352.7
2751	9.5	215328.9	+5321.3	2841	8.2	221255.1	+5346.1	2931	8.5	223044.3	+5302.2	3021	9.5	224729.0	+5301.0
2752	8.5	215334.2	+5332.9	2842	8.9	221308.9	+5351.3	2932	7.3	223059.8	+5340.1	3022	9.3	224729.0	+5315.2
2753	9.5	215352.9	+5349.8	2843	9.3	221316.8	+5332.5	2933	9.4	223118.6	+5329.8	3023	9.5	224802.2	+5342.5
2754	9.5	215420.5	+5355.2	2844	8.0	221323.7	+5351.4	2934	9.3	223127.5	+5334.1	3024	9.4	224813.0	+5314.1
2755	9.4	215421.2	+5350.2	2845	9.2	221334.4	+5305.0	2935	9.4	223132.7	+5310.2	3025	9.5	224824.7	+5323.8
2756	9.5	215422.5	+5355.7	2846	9.5	221404.7	+5304.0	2936	9.5	223133.1	+5333.4	3026	9.4	224849.5	+5302.4
2757	9.2	215430.0	+5329.2	2847	9.5	221418.2	+5349.1	2937	9.1	223134.3	+5312.3	3027	9.5	224903.3	+5352.0
2758	8.8	215444.6	+5322.7	2848	9.5	221459.1	+5353.2	2938	9.4	223134.5	+5304.8	3028	9.5	224906.0	+5319.6
2759	7.5	215451.5	+5324.8	2849	8.3	221502.4	+5304.9	2939	9.0	223145.9	+5311.5	3029	9.5	224907.5	+5301.8
2760	9.2	215452.1	+5336.4	2850	9.4	221511.5	+5304.9	2940	9.5	223204.1	+5332.2	3030	9.5	224931.4	+5316.2
2761	9.2	215457.0	+5325.7	2851	8.7	221515.5	+5303.4	2941	9.5	223217.1	+5303.9	3031	9.4	224943.5	+5305.7
2762	9.3	215517.2	+5343.7	2852	8.5	221527.3	+5342.3	2942	9.4	223225.5	+5357.4	3032	8.0	224945.8	+5328.7
2763	9.5	215521.5	+5327.0	2853	9.1	221534.8	+5344.0	2943	9.5	223244.9	+5332.3	3033	9.1	224958.2	+5327.4
2764	9.0	215524.0	+5328.3	2854	9.1	221536.1	+5343.9	2944	9.5	223244.0	+5342.5	3034	9.4	225000.7	+5326.6
2765	9.3	215524.0	+5313.0	2855	8.8	221536.8	+5359.3	2945	8.9	223252.6	+5355.6	3035	9.5	225002.9	+5358.5
2766	9.0	215544.7	+5327.6	2856	8.5	221541.4	+5348.8	2946	9.5	223255.6	+5343.6	3036	9.1	225049.9	+5343.5
2767	8.4	215619.1	+5317.0	2857	9.4	221551.9	+5309.8	2947	9.5	223260.3	+5309.5	3037	9.2	225101.5	+5308.7
2768	7.9	215623.8	+5305.7	2858	8.5	221624.1	+5324.6	2948	9.5	223260.1	+5335.0	3038	8.5	225116.6	+5317.1
2769	9.5	215656.0	+5333.0	2859	9.5	221644.5	+5301.7	2949	9.3	223261.3	+5350.9	3039	8.3	225144.1	+5352.1
2770	9.4	215750.4	+5349.5	2860	9.5	221717.4	+5328.5	2950	6.0	223262.5	+5305.5	3040	9.5	225227.4	+5328.8
2771	9.5	215754.0	+5321.1	2861	9.5	221723.3	+5305.5	2951	9.1	223263.0	+5335.4	3041	9.5	225252.0	+5314.7
2772	9.5	215755.0	+5347.4	2862	9.5	221732.2	+5305.7	2952	9.0	223265.0	+5310.0	3042	8.4	225254.3	+5344.7
2773	9.5	215801.9	+5355.4	2863	9.1	221741.5	+5356.5	2953	9.1	223307.1	+5351.5	3043	9.3	225300.6	+5357.8
2774	9.5	215810.0	+5336.4	2864	9.2	221741.9	+5352.6	2954	9.3	223311.8	+5313.4	3044	9.3	225302.3	+5339.6
2775	9.4	215814.8	+5343.7	2865	8.5	221750.6	+5335.1	2955	9.5	223312.5	+5331.6	3045	9.5	225305.7	+5329.3
2776	9.4	215844.3	+5341.8	2866	8.7	221800.4	+5335.6	2956	9.2	223326.3	+5341.7	3046	9.5	225313.4	+5332.4
2777	8.5	215928.2	+5313.8	2867	9.2	221802.3	+5347.3	2957	8.8	223329.8	+5319.5	3047	9.4	225319.6	+5342.5
2778	8.5	215932.0	+5303.1	2868	8.9	221904.8	+5358.3	2958	8.0	223341.4	+5337.6	3048	9.1	225340.3	+5351.4
2779	9.5	215937.6	+5359.6	2869	8.0	221911.9	+5339.6	2959	9.4	223360.7	+5301.1	3049	9.5	225406.7	+5355.9
2780	9.0	215947.9	+5358.4	2870	8.4	221917.6	+5359.2	2960	6.0	223362.5	+5308.8	3050	9.5	225414.2	+5336.3
2781	8.9	220007.0	+5339.7	2871	9.4	221958.5	+5347.6	2961	7.3	223362.9	+5329.4	3051	9.0	225435.1	+5313.4
2782	9.0	220014.5	+5340.3	2872	9.5	222002.8	+5307.6	2962	9.4	223367.2	+5315.0	3052	7.7	225436.7	+5332.5
2783	9.5	220055.8	+5316.1	2873	9.0	222007.2	+5320.2	2963	7.4	223369.3	+5359.7	3053	9.5	225449.1	+5352.2
2784	9.5	220106.9	+5352.5	2874	7.1	222008.5	+5304.2	2964	9.4	223372.8	+5318.8	3054	9.5	225515.0	+5312.1
2785	9.5	220115.2	+5304.2	2875	9.4	222010.3	+5306.3	2965	9.5	223374.4	+5333.9	3055	8.5	225520.0	+5351.7
2786	9.0	220121.3	+5348.6	2876	7.1	222014.4	+5312.0	2966	9.2	223375.0	+5358.9	3056	9.0	225520.9	+5358.7
2787	9.4	220145.7	+5351.5	2877	8.1	222019.0	+5302.5	2967	9.5	223380.1	+5322.9	3057	9.1	225533.8	+5320.4
2788	9.0	220147.0	+5327.4	2878	9.4	222035.4	+5353.1	2968	9.4	223381.5	+5348.4	3058	9.0	225549.4	+5318.5
2789	9.4	220153.8	+5358.0	2879	8.6	222039.0	+5305.1	2969	9.0	223387.9	+5330.3	3059	7.4	225560.5	+5301.7
2790	9.3	220239.5	+5348.9	2880	9.5	222039.2	+5341.5	2970	9.4	223388.0	+5354.3	3060	9.4	225604.5	+5304.3
2791	9.0	220250.3	+5358.3	2881	9.4	222040.8	+5313.9	2971	9.0	223388.8	+5319.9	3061	8.9	225618.0	+5323.9
2792	9.5	220302.4	+5348.5	2882	7.6	222048.5	+5321.8	2972	9.5	223391.5	+5306.6	3062	8.3	225627.6	+5341.3
2793	8.8	220316.3	+5334.4	2883	8.9	222055.9	+5354.0	2973	8.4	223393.4	+5357.4	3063	9.1	225635.9	+5312.4
2794	9.5	220341.0	+5321.4	2884	8.5	222108.8	+5346.0	2974	9.0	223395.3	+5355.1	3064	9.4	225708.8	+5312.2
2795	9.5	220400.0	+5354.0	2885	9.5	222127.5	+5326.6	2975	8.5	223394.0	+5324.9	3065	9.3	225726.0	+5310.0

+53 3083 23h02m

+52 149 0h34m

3083	9.2	230257.6	+5343.4	3173	9.0	232410.9	+5305.1	3263	9.2	235102.5	+5329.4	60	9.3	01639.7	+5231.8
3084	8.5	230302.8	+5338.4	3174	9.4	232415.2	+5323.4	3264	9.3	235104.7	+5320.0	61	6.0	01718.0	+5214.7
3085	8.1	230305.1	+5349.1	3175	8.4	232421.4	+5330.1	3265	8.5	235141.5	+5354.6	62	9.4	01720.5	+5235.2
3086	9.1	230413.2	+5318.2	3176	9.5	232432.4	+5317.2	3266	8.6	235156.4	+5303.9	63	8.7	01725.9	+5202.2
3087	9.2	230443.0	+5331.1	3177	9.5	232440.9	+5300.3	3267	8.0	235211.0	+5352.9	64	9.5	01727.8	+5239.0
3088	9.5	230509.1	+5358.0	3178	7.5	232448.5	+5320.6	3268	8.5	235214.2	+5311.2	65	9.4	01758.0	+5218.5
3089	9.5	230509.4	+5326.3	3179	9.2	232459.0	+5324.8	3269	9.5	235246.5	+5320.3	66	9.5	01848.6	+5207.0
3090	9.2	230523.8	+5338.4	3180	8.7	232459.4	+5322.8	3270	8.8	235206.1	+5329.4	67	9.0	01856.5	+5227.5
3091	9.1	230535.4	+5350.0	3181	9.1	232504.8	+5337.4	3271	9.0	235220.2	+5300.8	68	9.2	01909.8	+5207.5
3092	8.9	230538.2	+5353.1	3182	8.5	232506.8	+5313.2	3272	9.4	235402.9	+5303.8	69	9.5	01913.0	+5234.4
3093	8.4	230544.3	+5345.0	3183	8.9	232508.4	+5352.5	3273	9.5	235417.1	+5352.8	70	9.5	01927.3	+5241.2
3094	9.4	230557.4	+5304.0	3184	9.5	232530.6	+5305.0	3274	9.5	235442.8	+5337.1	71	9.3	01948.5	+5208.9
3095	9.1	230609.8	+5339.0	3185	9.0	232542.5	+5316.0	3275	9.2	235500.9	+5319.8	72	9.4	02000.0	+5247.6
3096	9.1	230611.7	+5306.9	3186	9.4	232544.9	+5357.4	3276	8.7	235510.0	+5344.7	73	8.5	02002.5	+5209.2
3097	9.3	230621.1	+5332.7	3187	9.5	232549.6	+5334.1	3277	9.4	235547.1	+5342.6	74	9.3	02017.0	+5252.1
3098	9.5	230621.4	+5323.3	3188	9.2	232552.2	+5303.6	3278	9.5	235556.8	+5339.7	75	9.3	02024.3	+5207.7
3099D	9.5	230712.8	+5300.1	3189	8.3	232557.9	+5326.5	3279	9.5	235647.0	+5318.6	76	8.7	02041.7	+5214.1
3100	9.1	230727.8	+5356.9	3190	8.0	232650.0	+5342.7	3280	7.2	235655.1	+5328.1	77	9.3	02111.4	+5231.3
3101	9.5	230733.4	+5309.8	3191	9.1	232708.6	+5339.1	3281	9.2	235710.0	+5351.6	78	9.5	02125.6	+5226.8
3102	9.5	230735.5	+5343.2	3192	9.5	232712.0	+5313.4	3282	9.5	235715.4	+5348.7	79	8.7	02133.3	+5235.2
3103	8.1	230737.3	+5300.0	3193	8.3	232717.4	+5315.8	3283	9.0	235730.5	+5358.0	80	8.9	02142.0	+5213.8
3104	9.5	230747.0	+5356.0	3194	9.3	232733.2	+5303.0	3284	9.4	235734.7	+5352.5	81	9.5	02211.0	+5230.3
3105	9.3	230757.0	+5347.2	3195	9.4	232824.9	+5305.3	3285	8.7	235734.7	+5302.4	82	9.5	02225.8	+5246.2
3106	9.3	230810.6	+5341.4	3196	8.5	232835.8	+5313.3	3286	9.4	235804.8	+5342.0	83	9.4	02226.0	+5252.4
3107	8.5	230815.3	+5308.7	3197	8.8	232846.4	+5326.0	3287	9.5	235809.1	+5339.7	84	9.5	02255.6	+5227.2
3108	9.3	230840.2	+5339.3	3198	9.0	232850.7	+5314.6	3288	9.5	235826.8	+5352.4	85	9.5	02259.2	+5238.9
3109	8.5	230844.1	+5334.3	3199	9.5	232854.6	+5338.8	3289	8.0	235918.3	+5341.5	86*	9.4	02307.3	+5229.6
3110	9.4	230901.1	+5314.8	3200	9.5	232857.8	+5335.2	3290	9.1	235922.4	+5355.1	87	9.5	02309.0	+5226.7
3111	9.1	230901.6	+5339.4	3201	9.5	232859.0	+5347.5	3291	8.6	235930.7	+5310.4	88	9.5	02310.0	+5201.6
3112	9.2	230908.3	+5353.5	3202	8.4	232923.0	+5340.0	3292	9.0	235942.5	+5357.2	89	8.8	02335.7	+5216.7
3113	9.5	230918.5	+5330.7	3203	9.4	232933.4	+5352.7	3293	9.2	235953.3	+5312.4	90	9.5	02342.2	+5258.1
3114	8.8	230926.0	+5310.5	3204	8.4	232942.1	+5309.2	1	9.5	00005.4	+5244.9	91	9.5	02343.2	+5234.7
3115	8.4	230941.7	+5336.9	3205	9.1	233020.5	+5347.0	2	8.4	00006.6	+5243.2	92	6.2	02346.9	+5202.4
3116	9.0	231013.0	+5339.0	3206	8.5	233044.6	+5332.1	3	8.4	00014.1	+5218.3	93	9.5	02403.8	+5231.5
3117	9.0	231037.2	+5346.8	3207	7.2	233156.1	+5338.4	4	9.5	00025.9	+5236.4	94	7.8	02411.0	+5212.8
3118	9.5	231041.8	+5338.7	3208	8.5	233206.7	+5351.8	5	9.3	00029.4	+5250.9	95	9.3	02414.4	+5220.0
3119	9.3	231104.0	+5320.2	3209	9.5	233218.6	+5353.2	6	8.0	00033.2	+5259.1	96	9.1	02417.6	+5225.9
3120	9.0	231104.6	+5314.8	3210	9.2	233256.7	+5344.5	7	9.0	00040.3	+5243.7	97	9.5	02422.7	+5241.5
3121	9.2	231107.1	+5333.9	3211	9.4	233302.0	+5358.2	8	8.0	00102.4	+5227.2	98	9.4	02507.4	+5201.2
3122	8.5	231118.2	+5338.1	3212	9.3	233304.0	+5343.4	9	9.5	00127.8	+5220.0	99	9.5	02526.8	+5209.8
3123	9.1	231132.5	+5314.8	3213	9.5	233329.7	+5308.0	10	9.3	00147.2	+5236.0	100	8.7	02550.4	+5204.2
3124	8.9	231135.1	+5319.1	3214	9.5	233351.0	+5311.0	11	8.5	00217.1	+5243.5	101	9.2	02556.3	+5219.8
3125	9.5	231138.5	+5335.0	3215	9.0	233422.5	+5333.3	12	9.3	00309.7	+5239.1	102	9.4	02556.9	+5228.3
3126	9.4	231144.0	+5358.1	3216	9.4	233425.8	+5313.2	13	9.5	00321.2	+5238.4	103	9.4	02559.2	+5226.1
3127	9.2	231158.7	+5322.0	3217	9.4	233441.1	+5340.6	14	9.4	00339.2	+5226.6	104	8.7	02601.3	+5218.1
3128	8.8	231200.4	+5336.5	3218	8.6	233453.4	+5353.5	15	8.3	00339.5	+5236.8	105	9.5	02614.2	+5238.3
3129	9.3	231203.9	+5318.6	3219	8.3	233526.3	+5348.0	16	9.0	00422.1	+5253.6	106	9.5	02616.5	+5234.5
3130	7.7	231221.4	+5345.0	3220	9.5	233533.9	+5305.2	17	9.4	00445.6	+5202.6	107	9.5	02627.8	+5248.1
3131	9.1	231222.5	+5359.2	3221	9.3	233610.5	+5318.4	18	9.5	00446.4	+5207.5	108	9.4	02647.2	+5234.3
3132	9.4	231233.8	+5314.5	3222	9.5	233628.1	+5312.4	19	6.5	00442.9	+5249.4	109	9.5	02702.0	+5221.1
3133	9.4	231234.5	+5321.6	3223	9.2	233713.5	+5341.0	20	9.5	00501.3	+5246.3	110	9.5	02707.8	+5228.0
3134	9.5	231316.2	+5323.1	3224	9.5	233732.7	+5329.3	21	9.5	00519.8	+5227.1	111	9.4	02711.7	+5254.8
3135	9.5	231324.6	+5305.5	3225	9.5	233803.5	+5359.9	22	9.2	00614.3	+5248.2	112	7.2	02714.9	+5253.7
3136	9.4	231330.4	+5335.4	3226	9.5	233806.7	+5301.0	23	9.0	00633.9	+5215.7	113	9.4	02717.4	+5255.1
3137	9.5	231349.4	+5350.3	3227	9.1	233837.4	+5356.3	24	8.7	00633.8	+5245.7	114	9.5	02728.5	+5223.2
3138	9.5	231350.3	+5336.1	3228	8.5	233851.0	+5356.3	25	7.4	00643.3	+5203.2	115	7.5	02733.6	+5241.2
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*52 1228 7h26m

*52 1587 11h38m

1228	9.1	72612.8	+5252.0	1318	9.5	82134.3	+5221.9	1408	8.0	92912.6	+5258.7	1498	9.3	102838.7	+5218.4
1229	9.0	72650.9	+5215.7	1319	9.5	82305.3	+5226.7	1409	9.5	93009.0	+5259.6	1499	9.5	102928.3	+5202.6
1230	8.0	72705.2	+5224.4	1320	9.3	82310.2	+5221.8	1410	9.1	93010.6	+5211.4	1500	9.5	102928.7	+5244.2
1231	7.7	72713.8	+5210.2	1321	9.3	82419.8	+5220.9	1411	9.3	93057.3	+5200.4	1501	9.3	102932.6	+5211.2
1232	7.3	72755.9	+5252.9	1322	7.5	82428.5	+5241.2	1412	9.5	93123.8	+5200.8	1502	9.4	102946.4	+5215.7
1233	9.0	72842.4	+5257.9	1323	9.5	82509.4	+5248.4	1413	8.2	92133.2	+5221.5	1503	9.3	103226.6	+5211.4
1234	9.3	72923.3	+5217.6	1324	9.1	82530.8	+5240.1	1414	9.5	93140.1	+5221.5	1504	9.0	103257.0	+5222.1
1235	8.6	72952.4	+5249.0	1325	7.7	82701.7	+5232.6	1415	9.0	93442.2	+5201.5	1505	9.4	103326.5	+5226.1
1236	9.0	73054.7	+5226.3	1326	9.3	82740.5	+5210.9	1416	8.8	93451.7	+5202.9	1506	9.5	103404.6	+5246.3
1237	9.2	73059.5	+5225.3	1327	9.2	82935.3	+5217.9	1417	8.6	93502.7	+5243.0	1507	9.5	103415.7	+5203.9
1238	8.0	73110.6	+5237.8	1328	9.5	82938.8	+5206.0	1418	9.1	93533.5	+5211.1	1508	9.5	103417.2	+5226.6
1239	9.3	73121.6	+5204.1	1329	7.8	82945.4	+5216.0	1419	9.0	93553.3	+5233.2	1509	9.2	103620.5	+5253.6
1240	9.5	73208.3	+5236.3	1330	8.7	83102.2	+5233.7	1420	9.5	93627.8	+5252.8	1510	9.0	103758.0	+5233.5
1241	9.5	73236.4	+5200.9	1331	9.5	83221.0	+5206.8	1421	9.5	93828.3	+5251.7	1511	9.3	103909.0	+5234.0
1242	8.5	73241.8	+5259.3	1332	8.5	83330.3	+5256.8	1422	9.4	93851.7	+5257.2	1512	9.5	104015.7	+5209.2
1243	9.3	73301.9	+5256.9	1333	9.1	83422.5	+5242.1	1423	9.5	93942.3	+5242.5	1513	8.4	104128.0	+5201.2
1244	9.5	73326.7	+5241.2	1334	9.3	83543.3	+5222.0	1424	8.0	94023.5	+5205.0	1514	8.1	104159.2	+5234.5
1245	9.5	73414.3	+5204.8	1335	9.1	83601.6	+5204.1	1425	9.1	94024.7	+5253.3	1515	9.5	104212.6	+5224.7
1246	9.3	73502.4	+5246.6	1336	9.3	83656.8	+5247.7	1426	8.5	94117.1	+5242.0	1516	9.2	104246.0	+5245.3
1247	9.5	73504.0	+5224.0	1337	9.0	83724.0	+5239.2	1427	8.5	94217.7	+5216.0	1517	9.0	104256.0	+5250.7
1248	8.9	73715.4	+5237.4	1338	9.3	83911.9	+5252.3	1428	8.8	94359.0	+5240.6	1518	9.5	104350.2	+5235.4
1249	8.0	73750.3	+5251.5	1339	9.1	83915.5	+5202.2	1429	9.2	94447.8	+5240.6	1519	6.5	104357.0	+5249.8
1250	9.2	73757.8	+5201.2	1340	9.3	83928.2	+5211.6	1430	9.5	94555.8	+5209.0	1520	9.5	104528.6	+5226.2
1251	8.7	73804.3	+5203.1	1341	9.5	84036.0	+5227.3	1431	7.2	94626.9	+5257.3	1521	9.0	104534.0	+5205.4
1252	8.7	73806.7	+5208.8	1342	9.1	84124.3	+5212.7	1432	9.3	94713.3	+5242.6	1522	7.8	104620.1	+5253.6
1253	9.1	73827.8	+5227.0	1343	6.8	84234.7	+5254.3	1433	9.5	94823.1	+5201.0	1523	9.5	104635.0	+5222.7
1254	8.3	73832.9	+5259.3	1344	9.5	84256.6	+5207.0	1434	9.0	94835.6	+5249.0	1524	9.5	104711.3	+5244.3
1255	9.2	73928.8	+5248.5	1345	9.3	84304.0	+5200.3	1435	9.4	94839.9	+5206.3	1525	9.5	104734.2	+5231.1
1256	9.2	74129.2	+5217.6	1346	9.2	84309.8	+5230.8	1436	8.0	94844.4	+5215.6	1526	7.5	104807.0	+5258.0
1257	9.2	74136.3	+5217.2	1347	9.3	84414.1	+5212.7	1437	9.3	94903.5	+5208.9	1527	7.8	104922.0	+5214.8
1258	9.5	74141.0	+5204.7	1348	9.0	84518.3	+5220.1	1438	8.0	94913.7	+5245.6	1528	6.0	105042.0	+5239.9
1259	9.4	74231.3	+5237.3	1349	9.1	84704.9	+5237.7	1439	8.8	94930.9	+5233.9	1529	6.3	105152.6	+5215.8
1260	8.7	74352.8	+5209.2	1350	9.3	84721.8	+5228.9	1440	9.3	95018.6	+5254.9	1530	9.2	105155.9	+5212.7
1261	9.5	74458.4	+5218.2	1351	8.8	84745.5	+5251.9	1441	9.4	95048.9	+5236.8	1531	9.5	105216.1	+5251.2
1262	9.5	74614.6	+5211.3	1352	8.0	84816.3	+5232.7	1442	8.2	95127.8	+5236.8	1532	9.0	105238.0	+5256.0
1263	9.5	74814.5	+5232.7	1353	9.1	85045.9	+5214.5	1443	9.5	95151.9	+5201.9	1533	9.0	105256.2	+5258.2
1264	9.4	74903.3	+5224.0	1354	9.5	85151.0	+5219.8	1444	9.4	95157.3	+5221.0	1534	9.3	105308.3	+5249.6
1265	9.5	74921.8	+5231.4	1355	9.4	85152.2	+5232.2	1445	9.0	95215.4	+5249.5	1535	9.5	105718.6	+5215.2
1266	9.5	74928.9	+5239.7	1356	9.4	85152.7	+5230.9	1446	8.9	95224.9	+5232.3	1536	9.0	105722.2	+5238.2
1267	9.2	74937.7	+5249.0	1357	8.5	85225.1	+5245.5	1447	9.2	95307.4	+5245.1	1537	9.1	105743.0	+5228.9
1268	8.9	74946.1	+5206.1	1358	8.2	85227.8	+5250.4	1448	9.5	95442.3	+5258.9	1538	9.5	105747.7	+5208.1
1269	9.4	75102.9	+5204.1	1359	9.0	85333.8	+5209.7	1449	9.0	95525.8	+5214.4	1539	8.6	105758.7	+5209.1
1270	9.0	75128.2	+5217.7	1360	9.4	85410.2	+5222.6	1450	7.7	95608.3	+5204.4	1540	8.3	105836.6	+5203.2
1271	9.3	75328.8	+5211.6	1361	9.5	85641.1	+5203.5	1451	9.5	95622.3	+5236.8	1541	7.2	106054.6	+5209.8
1272	8.9	75348.9	+5233.3	1362	7.3	85656.8	+5212.7	1452	9.5	95730.3	+5240.1	1542	9.1	110104.1	+5219.1
1273	9.1	75431.3	+5258.3	1363	9.5	85817.3	+5241.1	1453	9.2	95733.3	+5252.4	1543	9.2	110112.4	+5217.1
1274	9.3	75432.4	+5245.1	1364	9.4	85823.9	+5257.8	1454	9.4	95742.7	+5210.0	1544	9.3	110221.5	+5234.2
1275	9.4	75458.4	+5205.1	1365	5.0	85837.8	+5211.8	1455	9.3	95747.4	+5219.6	1545	8.5	110328.8	+5253.4
1276	9.2	75503.3	+5215.4	1366	9.3	85859.0	+5226.6	1456	9.4	95815.9	+5215.6	1546	9.5	110346.4	+5224.0
1277	9.2	75523.2	+5232.2	1367	9.3	85859.1	+5220.0	1457	9.5	95904.8	+5202.4	1547	9.5	110453.9	+5211.2
1278	8.8	75611.3	+5224.0	1368	9.4	85902.9	+5218.6	1458	9.4	95927.0	+5228.9	1548	9.5	110512.3	+5250.6
1279	8.7	75631.8	+5239.7	1369	8.9	85940.9	+5202.9	1459	9.5	100149.3	+5229.4	1549	9.5	110548.4	+5254.0
1280	9.3	75742.3	+5215.3	1370	8.9	85949.2	+5200.6	1460	9.4	100156.1	+5211.3	1550	9.1	110611.4	+5226.4
1281	9.4	75824.0	+5230.3	1371	8.0	85958.7	+5258.7	1461	7.3	100335.3	+5212.7	1551	9.5	110654.4	+5200.8
1282	7.5	75943.8	+5233.0	1372	9.5	90041.2	+5240.1	1462	9.1	100436.3	+5201.8	1552	9.5	110653.7	+5249.0
1283	8.7	80004.3	+5212.5	1373	9.5	90044.7	+5210.1	1463	9.3	100515.5	+5233.3	1553	9.5	110953.6	+5247.5
1284	8.2	80022.0	+5227.1	1374	9.1	90311.4	+5208.4	1464	9.3	100516.6	+5213.7	1554	8.4	111044.6	+5205.8
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1286	9.1	80102.8	+5246.3	1376	9.3	90601.7	+5211.3	1466	9.5	100546.4	+5219.6	1556	9.5	111117.5	+5214.6
1287	9.5	80222.5	+5259.1	1377	9.3	90627.2	+5235.5	1467	9.0	100621.4	+5250.1	1557	9.5	111142.8	+5244.0
1288	8.8	80232.0	+5211.2	1378	9.2	90817.8	+5201.2	1468	9.4	100735.9	+5253.9	1558	7.2	111247.6	+5233.4
1289	9.5	80243.3	+5203.5	1379	9.0	90837.7	+5234.7	1469	9.4	100811.4	+5209.8	1559	9.1	111407.6	+5221.1
1290	9.1	80349.3	+5232.1	1380	8.2	90903.1	+5214.3	1470	8.0	100849.8	+5231.4	1560	8.0	111527.1	+5215.6
1291	9.3	80407.8	+5239.0	1381	9.2	91109.2	+5249.4	1471	9.5	100908.9	+5241.6	1561	7.3	111539.5	+5250.1
1292	7.7	80517.2	+5247.8	1382	9.4	91112.2	+5234.2	1472	9.5	100928.0	+5223.0	1562	9.2	111622.3	+5248.0
1293	9.4	80520.1	+5236.4	1383	9.5	91229.1	+5220.0	1473	6.7	100945.9	+5207.7	1563	7.2	111748.6	+5254.5
1294	9.3	80605.0	+5249.3	1384	9.5	91302.8	+5221.4	1474	9.5	101159.9	+5250.5	1564	9.4	111903.0	+5242.4
1295	9.5	80607.8	+5219.4	1385	9.3	91321.4	+5213.0	1475	8.5	101259.0	+5210.9	1565	9.5	111909.6	+5212.2
1296	9.1	80635.2	+5218.3	1386	9.4	91403.0	+5240.1	1476	9.5	101346.0	+5202.1	1566	9.5	112004.9	+5209.0
1297	9.4	80719.1	+5202.0	1387	9.4	91422.5	+5213.6	1477	9.0	101450.5	+5239.5	1567	9.5	112045.3	+5218.0
1298	9.2	80806.3	+5255.6	1388	9.2	91435.7	+5238.6	1478	9.0	101609.6	+5254.1	1568	8.7	112302.4	+5207.6
1299	9.2	80932.5	+5239.6	1389	6.7	91452.3	+5212.0	1479	9.3	101637.8	+5205.5	1569	9.5	112345.9	+5259.5
1300	9.5	80941.7	+5207.9	1390	9.0	91514.3	+5222.3	1480	9.5	101657.0	+5212.8	1570	8.5	112455.8	+5233.5
1301	9.4	81225.8	+5220.3	1391	9.5	91525.4	+5210.7	1481	9.4	101827.1	+5242.0	1571	9.5	112547.4	+5211.5
1302	9.5	81226.0													

+52 1588 11h39m

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+52 2306 18h52m

+52 2307 18h53m

+52 2666 20h11m

2307	9.1	185313.0	+5259.2	2397	9.0	191729.6	+5240.2	2487	9.5	193829.8	+5253.7	2577	9.2	195305.4	+5205.1
2308	9.5	185328.7	+5215.6	2398	9.4	191751.1	+5254.5	2488	9.5	193831.0	+5221.4	2578	9.5	195317.4	+5223.4
2309	9.5	185415.5	+5240.6	2399	9.4	191752.4	+5233.8	2489	9.2	193838.0	+5258.7	2579	9.5	195326.3	+5236.7
2310	9.3	185428.6	+5202.6	2400	7.1	191805.3	+5205.9	2490	9.4	193844.4	+5258.1	2580	9.5	195340.6	+5223.8
2311	8.8	185445.9	+5230.7	2401	9.4	191809.8	+5246.7	2491	9.5	193848.6	+5235.3	2581	8.9	195351.8	+5236.6
2312	9.2	185508.6	+5253.8	2402	9.2	191810.5	+5245.5	2492	9.5	193855.1	+5238.4	2582	8.9	195400.3	+5255.4
2313	9.1	185517.5	+5255.6	2403	8.5	191822.9	+5224.4	2493	9.5	193922.5	+5227.8	2583	9.0	195411.4	+5219.5
2314	9.4	185525.5	+5254.5	2404	9.2	191832.1	+5222.4	2494	9.4	193932.6	+5214.3	2584	8.9	195433.0	+5222.8
2315	9.1	185527.0	+5200.5	2405	9.4	191838.2	+5200.2	2495	9.1	193935.7	+5238.7	2585	9.4	195433.4	+5212.5
2316	9.1	185531.0	+5255.2	2406	9.5	191842.2	+5229.4	2496	9.0	193935.9	+5259.1	2586	9.5	195433.9	+5246.0
2317	9.0	185546.1	+5252.8	2407	9.5	191849.1	+5228.9	2497	7.1	193938.5	+5212.6	2587	9.4	195448.9	+5208.0
2318	9.5	185624.5	+5221.3	2408	9.5	191849.2	+5224.5	2498	9.5	193948.6	+5217.5	2588	9.5	195451.9	+5238.2
2319	9.5	185709.3	+5232.2	2409	7.5	191907.4	+5245.8	2499	9.4	193951.4	+5254.4	2589	9.4	195457.8	+5252.2
2320	8.4	185711.6	+5203.7	2410	9.5	191938.0	+5237.8	2500	9.4	194010.3	+5211.0	2590	9.4	195500.0	+5247.7
2321	8.9	185742.3	+5257.8	2411	9.1	191945.1	+5256.6	2501	7.4	194010.8	+5215.9	2591	9.3	195508.2	+5233.0
2322	9.5	185744.9	+5237.7	2412	7.8	191947.7	+5217.0	2502	8.9	194013.4	+5214.0	2592	9.4	195508.2	+5247.5
2323	9.2	185827.1	+5236.1	2413	8.4	191949.6	+5259.1	2503	9.5	194015.7	+5247.0	2593	9.0	195509.8	+5230.7
2324	9.3	185830.8	+5220.3	2414	8.7	191949.9	+5228.1	2504	9.4	194018.8	+5230.6	2594	9.5	195522.7	+5245.0
2325	9.3	185839.9	+5244.0	2415	8.7	192012.8	+5238.1	2505	9.0	194026.3	+5228.5	2595	9.5	195543.5	+5241.1
2326	6.3	185842.3	+5213.1	2416	9.4	192030.0	+5249.9	2506	9.2	194028.9	+5200.6	2596	9.4	195603.1	+5238.3
2327	9.1	185857.9	+5214.0	2417	9.4	192105.3	+5229.6	2507	9.0	194029.7	+5209.0	2597	9.5	195642.4	+5208.2
2328	9.5	185929.4	+5253.7	2418	9.5	192106.8	+5233.8	2508	9.5	194039.3	+5204.3	2598	8.3	195646.9	+5220.8
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2330	8.8	185956.8	+5211.3	2420	9.0	192109.7	+5210.3	2510	8.9	194056.0	+5246.5	2600	9.0	195726.6	+5243.0
2331	9.5	190009.7	+5221.9	2421	9.3	192121.2	+5252.3	2511	9.5	194129.2	+5218.2	2601	9.3	195733.6	+5213.9
2332	8.3	190019.5	+5254.3	2422	9.4	192137.5	+5253.4	2512	9.5	194133.1	+5230.5	2602	8.4	195743.1	+5239.3
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2334	9.3	190052.5	+5248.8	2424	9.3	192144.6	+5255.4	2514	9.5	194143.0	+5208.2	2604	9.3	195747.0	+5259.8
2335	9.5	190119.7	+5210.6	2425	8.8	192158.5	+5206.9	2515	9.5	194150.4	+5220.0	2605	9.2	195753.3	+5213.9
2336	7.8	190124.8	+5232.1	2426	9.5	192237.0	+5209.4	2516	9.4	194158.2	+5224.3	2606	8.9	195822.0	+5230.2
2337	9.3	190133.6	+5209.2	2427	9.5	192304.9	+5220.4	2517	9.5	194204.6	+5201.4	2607	9.5	195825.0	+5220.2
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2339	9.4	190200.5	+5255.6	2429	9.5	192334.2	+5256.5	2519	9.4	194226.5	+5214.5	2609	9.2	195832.4	+5253.1
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2341	9.4	190258.1	+5255.0	2431	8.3	192335.6	+5230.5	2521	9.0	194254.0	+5246.2	2611	8.8	195842.7	+5257.1
2342	9.5	190310.8	+5256.4	2432	9.3	192340.5	+5243.2	2522	9.4	194254.5	+5237.2	2612	9.4	195900.4	+5257.1
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2346	8.2	190428.7	+5245.1	2436	8.7	192428.0	+5252.3	2526	8.2	194324.8	+5251.5	2616	8.2	200037.6	+5248.0
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2348	9.4	190448.0	+5235.9	2438	9.5	192557.4	+5237.8	2528	9.2	194334.1	+5214.5	2618	9.0	200110.7	+5247.9
2349	9.3	190454.2	+5233.4	2439	9.2	192614.2	+5246.0	2529	9.5	194339.9	+5222.5	2619	9.2	200119.9	+5241.9
2350	6.2	190502.5	+5211.6	2440	8.5	192623.1	+5216.2	2530	9.4	194345.4	+5222.5	2620	9.5	200133.5	+5204.9
2351	7.9	190509.0	+5242.4	2441	8.5	192655.4	+5248.2	2531	9.5	194406.6	+5218.7	2621	9.4	200200.8	+5201.7
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2354	8.3	190551.5	+5221.3	2444	8.5	192709.7	+5254.8	2534	9.5	194444.4	+5251.8	2624	9.5	200234.3	+5228.5
2355	9.2	190555.6	+5203.8	2445	9.1	192710.7	+5225.2	2535	9.4	194450.8	+5209.7	2625	9.1	200238.7	+5208.1
2356	9.5	190614.4	+5245.0	2446	9.2	192714.8	+5230.7	2536	9.4	194456.3	+5237.1	2626	9.1	200240.8	+5242.8
2357	9.5	190617.9	+5230.5	2447	9.1	192739.3	+5249.9	2537	9.5	194458.7	+5234.6	2627	8.8	200253.9	+5236.5
2358	9.5	190633.4	+5246.3	2448	9.1	192750.1	+5220.8	2538	9.4	194458.8	+5257.4	2628	9.1	200304.3	+5252.9
2359	9.4	190701.1	+5258.5	2449	9.0	192809.8	+5234.0	2539	8.2	194531.5	+5241.2	2629	8.8	200332.1	+5227.7
2360	9.4	190722.6	+5203.0	2450	8.1	192812.9	+5241.2	2540	8.5	194536.4	+5225.3	2630	9.5	200356.3	+5227.9
2361	9.5	190725.4	+5252.5	2451	9.2	192822.4	+5229.4	2541	9.5	194543.1	+5214.4	2631	9.4	200404.4	+5226.5
2362	8.8	190757.5	+5251.6	2452	8.3	192826.9	+5240.5	2542	9.5	194559.7	+5258.1	2632	9.0	200430.0	+5256.3
2363	9.5	190802.7	+5217.2	2453	9.1	192841.5	+5257.6	2543	9.0	194605.4	+5256.6	2633	9.5	200447.4	+5225.2
2364	9.5	190816.9	+5238.7	2454	9.1	192856.0	+5239.0	2544	9.2	194607.3	+5251.0	2634	8.9	200455.2	+5230.6
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2366	9.5	190916.0	+5258.4	2456	9.5	192930.8	+5248.0	2546	9.5	194643.3	+5254.3	2636	8.1	200504.9	+5229.4
2367	9.5	190917.0	+5256.1	2457	9.4	192936.4	+5228.3	2547	5.3	194659.0	+5237.3	2637	9.4	200525.0	+5222.2
2368	9.5	190917.0	+5252.7	2458	9.4	192938.6	+5229.9	2548	9.3	194700.2	+5200.0	2638	9.4	200529.7	+5206.7
2369	9.3	190940.0	+5245.9	2459	9.2	192947.2	+5230.1	2549	9.0	194710.6	+5212.9	2639	9.5	200552.4	+5223.9
2370	9.5	191001.9	+5216.9	2460	9.2	193004.2	+5252.5	2550	9.5	194712.3	+5248.1	2640	8.6	200555.7	+5259.8
2371	8.0	191020.8	+5257.5	2461	8.1	193035.9	+5221.9	2551	9.5	194729.5	+5235.1	2641	9.5	200603.0	+5212.2
2372	9.5	191032.3	+5245.6	2462	8.5	193124.0	+5255.0	2552	9.5	194741.0	+5207.8	2642	9.5	200616.5	+5247.7
2373	9.0	191034.4	+5224.4	2463	6.3	193126.2	+5211.0	2553	9.5	194743.8	+5256.5	2643	9.5	200639.7	+5242.8
2374	9.5	191042.7	+5246.2	2464	9.1	193139.9	+5213.7	2554	9.2	194806.3	+5226.8	2644	8.8	200655.4	+5217.2
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2378	9.5	191123.3	+5218.7	2468	9.5	193306.0	+5241.0	2558	8.9	194852.5	+5258.9	2648	9.5	200801.7	+5221.9
2379	9.4	191152.5	+5202.8	2469	9.5	193310.8	+5235.6	2559	9.0	194855.2	+5250.3	2649	9.5	200813.4	+5253.1

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3048	9.3	214646.9	+5257.9	3138	9.5	220707.4	+5230.8	3228	9.5	222441.7	+5224.7	3316	9.5	224612.1	+5214.0
3049	8.8	214651.5	+5201.7	3139	9.5	220709.0	+5208.0	3229	7.8	222451.4	+5247.1	3317	9.3	224622.5	+5203.2
3050	9.5	214702.0	+5213.5	3140	9.5	220710.2	+5210.0	3230	9.4	222509.9	+5204.4	3318	9.5	224640.2	+5239.0
3051	9.5	214715.9	+5257.9	3141	9.1	220712.2	+5259.2	3231	9.5	222512.6	+5235.1	3319	9.3	224654.3	+5202.0
3052	9.5	214741.0	+5217.6	3142	9.5	220730.6	+5249.9	3232	8.4	222544.5	+5207.2	3320	9.5	224655.1	+5232.5
3053	9.5	214805.3	+5245.5	3143	8.2	220734.5	+5212.5	3233	9.3	222545.7	+5241.1	3321	9.0	224735.9	+5233.9
3054	9.2	214816.5	+5208.1	3144	8.5	220743.4	+5254.5	3234	9.5	222553.9	+5201.5	3322	9.5	224754.7	+5202.1
3055	9.2	214851.3	+5243.5	3145	9.5	220747.8	+5229.1	3235	8.8	222615.6	+5217.1	3323	9.5	224852.0	+5207.9
3056	8.5	214902.0	+5217.0	3146	7.1	220755.5	+5226.2	3236	8.7	222628.4	+5255.5	3324	9.5	224858.9	+5254.8
3057	8.3	214915.2	+5240.5	3147	9.4	220809.5	+5254.4	3237	8.7	222635.2	+5228.7	3325	9.4	224909.5	+5256.5
3058	8.3	214927.6	+5249.6	3148	9.4	220809.6	+5247.0	3238	9.4	222656.1	+5206.1	3326	9.5	224944.3	+5208.7
3059	9.4	214946.9	+5226.6	3149	7.6	220825.1	+5233.1	3239	9.5	222711.0	+5250.3	3327	9.2	225021.6	+5203.2
3060	9.0	215000.1	+5259.0	3150	8.2	220827.9	+5203.2	3240	9.5	222715.2	+5258.3	3328	9.5	225032.5	+5259.8
3061	9.5	215007.6	+5206.1	3151	9.2	220839.5	+5257.8	3241	9.3	222734.1	+5230.7	3329	9.5	225044.6	+5216.7
3062	9.4	215011.2	+5252.7	3152	7.9	220848.9	+5213.1	3242	9.5	222804.9	+5219.6	3330	9.5	225050.0	+5210.8
3063	6.5	215025.0	+5233.9	3153	8.6	220855.7	+5258.5	3243	9.0	222832.9	+5202.4	3331	8.9	225052.8	+5257.2
3064	9.4	215025.8	+5247.7	3154	9.5	220905.9	+5203.1	3244	9.5	222901.4	+5218.8	3332	9.2	225056.6	+5237.1
3065	8.3	215042.5	+5213.1	3155	8.5	220910.2	+5230.7	3245	8.7	222908.0	+5214.1	3333	9.1	225056.6	+5237.1
3066	9.5	215056.2	+5200.8	3156	9.5	220922.3	+5238.1	3246	9.0	222927.4	+5255.3	3334	9.5	225150.1	+5256.0
3067	9.5	215100.5	+5208.6	3157	9.5	220948.2	+5202.1	3247	8.3	222951.3	+5227.2	3335	9.5	225150.2	+5206.2
3068	8.3	215116.5	+5244.9	3158	9.5	221000.6	+5227.9	3248	9.4	223000.1	+5205.8	3336	8.8	225229.1	+5250.2
3069	9.5	215129.5	+5231.5	3159	9.5	221002.4	+5257.7	3249	9.2	223045.9	+5284.4	3337	9.5	225241.5	+5258.3
3070	8.7	215137.8	+5246.4	3160	9.4	221009.0	+5251.6	3250	9.5	223055.7	+5240.1	3338	9.4	225304.1	+5224.2
3071	8.8	215224.0	+5207.0	3161	8.8	221018.3	+5216.7	3251	9.5	223125.8	+5209.6	3339	8.6	225304.6	+5256.0
3072	9.5	215309.7	+5202.7	3162	9.1	221045.0	+5252.7	3252	8.9	223208.6	+5203.2	3340	9.2	225307.2	+5215.6
3073	9.0	215326.2	+5209.6	3163	9.2	221054.1	+5213.5	3253	9.4	223214.1	+5252.8	3341	9.5	225308.1	+5216.9
3074	9.5	215413.6	+5206.7	3164	9.1	221118.9	+5253.1	3254	9.3	223223.5	+5240.6	3342	9.0	225323.5	+5255.3
3075	9.5	215438.2	+5227.1	3165	9.5	221124.4	+5231.0	3255	8.9	223238.7	+5252.9	3343	9.4	225326.0	+5216.7
3076	9.5	215444.0	+5200.7	3166	9.5	221128.0	+5225.1	3256	9.1	223240.3	+5229.8	3344	9.5	225335.7	+5228.3
3077	9.4	215508.9	+5239.8	3167	8.7	221130.1	+5255.5	3257	8.1	223245.0	+5206.7	3345	9.3	225337.6	+5257.5
3078	9.5	215532.2	+5200.6	3168	8.1	221133.6	+5216.8	3258	9.5	223254.1	+5228.5	3346	8.9	225413.6	+5206.0
3079	9.5	215537.1	+5224.0	3169	9.5	221152.7	+5228.8	3259	9.5	223308.2	+5237.0	3347	9.3	225433.4	+5246.8
3080	9.4	215544.5	+5218.6	3170	9.5	221154.2	+5240.2	3260	9.4	223317.7	+5200.6	3348	9.4	225439.3	+5244.9
3081	8.8	215559.3	+5221.9	3171	9.4	221155.3	+5233.7	3261	9.1	223353.5	+5256.9	3349	8.8	225452.9	+5244.1
3082	9.0	215628.0	+5214.7	3172	9.5	221228.0	+5225.3	3262	9.2	223412.8	+5247.9	3350	9.5	225453.0	+5247.8
3083	5.3	215632.5	+5211.0	3173	9.4	221235.4	+5233.3	3263	9.2	223438.9	+5218.3	3351	9.5	225459.7	+5229.5
3084	9.5	215710.0	+5216.2	3174	9.5	221253.2	+5257.7	3264	9.4	223440.5	+5217.5	3352	9.4	225519.2	+5204.8
3085	9.4	215728.5	+5220.6	3175	9.5	221314.1	+5236.8	3265	9.4	223449.0	+5243.2	3353	9.5	225526.8	+5239.4
3086	9.1	215814.6	+5222.6	3176	9.3	221314.3	+5247.2	3266	9.5	223503.1	+5235.0	3354	8.1	225528.4	+5203.8
3087	8.0	215818.4	+5201.0	3177	9.4	221331.8	+5208.6	3267	9.5	223532.4	+5239.5	3355	9.4	225528.9	+5231.6
3088	8.3	215822.2	+5230.5	3178	9.5	221335.2	+5259.2	3268	9.5	223602.2	+5246.6	3356	9.5	225548.0	+5248.3
3089	9.4	215849.4	+5204.6	3179	8.9	221340.0	+5252.7	3269	8.9	223605.1	+5205.0	3357	8.0	225562.7	+5227.8
3090	9.2	215857.7	+5244.5	3180	9.2	221352.5	+5225.8	3270	9.4	223608.8	+5248.4	3358	9.5	225632.3	+5232.4
3091	9.1	215910.4	+5230.4	3181	7.5	221409.1	+5209.0	3271	8.0	223619.9	+5202.7	3359	9.3	225652.4	+5242.1
3092	9.5	215916.1	+5252.8	3182	8.0	221423.0	+5208.6	3272	9.4	223640.0	+5223.9	3360	7.5	225708.5	+5231.3
3093	9.4	215920.1	+5231.5	3183	9.2	2212									

+52 3384 23h04m

+51 141 0h37m

3384	9.3	230449.0	+5213.1	3474	9.0	232614.4	+5216.5	3563	7.5	234913.1	+5254.5	52	9.5	01433.7	+5133.5
3385	9.3	230453.7	+5210.7	3475	9.2	232621.7	+5204.3	3564	8.8	234949.0	+5256.9	53	9.5	01435.3	+5128.4
3386	9.1	230500.5	+5206.4	3476	9.4	232624.9	+5208.3	3565	9.5	235008.6	+5254.5	54	8.8	01441.3	+5124.9
3387	9.5	230525.2	+5246.0	3477	9.3	232637.6	+5217.5	3566	9.5	235023.5	+5257.4	55	9.5	01442.0	+5128.4
3388	8.5	230532.9	+5233.9	3478	9.5	232637.8	+5214.2	3567	9.0	235030.2	+5246.5	56	9.3	01500.7	+5105.7
3389	8.6	230536.2	+5224.0	3479	9.5	232646.5	+5244.5	3568	9.2	235036.2	+5231.4	57	9.2	01505.3	+5134.0
3390	8.2	230543.6	+5202.0	3480	9.0	232723.0	+5206.5	3569	8.7	235043.2	+5222.2	58	8.9	01516.5	+5122.3
3391	8.3	230644.2	+5219.9	3481	9.5	232736.6	+5245.5	3570	7.5	235122.0	+5235.0	59	8.6	01534.8	+5154.8
3392	9.4	230659.2	+5255.3	3482	8.8	232749.7	+5204.2	3571	8.2	235129.4	+5251.9	60	9.5	01547.0	+5110.5
3393	9.5	230702.0	+5247.0	3483	9.1	232839.6	+5200.0	3572	9.1	235130.0	+5232.6	61	9.1	01602.5	+5154.4
3394	9.5	230712.5	+5230.5	3484	8.9	232847.9	+5255.3	3573	8.2	235141.3	+5226.6	62	6.0	01626.6	+5113.0
3395	9.5	230716.7	+5259.2	3485	9.2	232925.2	+5213.1	3574	9.0	235151.8	+5240.8	63	9.5	01644.9	+5150.3
3396	9.4	230718.8	+5200.0	3486	7.5	233010.4	+5239.1	3575	7.3	235152.3	+5245.8	64	9.3	01647.9	+5148.7
3397	9.0	230742.8	+5238.5	3487	7.9	233102.7	+5201.2	3576	9.5	235223.8	+5255.9	65	9.0	01702.4	+5105.9
3398	9.5	230755.2	+5203.8	3488	9.4	233145.7	+5255.0	3577	9.5	235250.3	+5238.4	66	9.3	01714.8	+5115.8
3399	9.3	230757.9	+5200.1	3489	9.1	233244.1	+5250.9	3578	9.5	235312.1	+5255.0	67	9.4	01720.2	+5106.6
3400	8.9	230800.5	+5232.0	3490	9.5	233306.2	+5256.2	3579	9.3	235328.1	+5247.9	68	9.3	01732.6	+5159.1
3401	9.4	230810.1	+5203.6	3491	8.5	233347.4	+5207.5	3580	9.0	235332.0	+5228.1	69	9.0	01750.6	+5111.9
3402	9.5	230823.5	+5250.7	3492	9.5	233406.2	+5207.0	3581	8.2	235344.3	+5221.3	70	9.1	01751.2	+5121.8
3403	9.2	230831.5	+5233.5	3493	8.6	233420.0	+5256.6	3582	9.0	235352.0	+5224.2	71	9.5	01758.0	+5149.3
3404	9.4	230838.3	+5253.4	3494	9.0	233436.0	+5204.5	3583	9.4	235420.0	+5254.2	72	9.4	01823.2	+5101.3
3405	9.2	230919.9	+5210.2	3495	9.0	233452.1	+5222.5	3584	9.2	235423.2	+5203.2	73	9.4	01829.2	+5142.0
3406	9.5	230928.5	+5217.5	3496	9.5	233456.9	+5202.5	3585	9.4	235445.7	+5205.0	74	8.7	01842.4	+5138.3
3407	9.0	230929.9	+5211.9	3497	9.1	233519.6	+5249.8	3586	9.5	235457.5	+5230.7	75	9.5	01854.2	+5146.7
3408	9.0	230943.4	+5247.5	3498	9.3	233543.9	+5257.2	3587	9.3	235517.8	+5214.4	76	9.4	01924.6	+5133.4
3409	8.9	230956.9	+5241.9	3499	9.5	233546.6	+5256.9	3588	9.0	235554.2	+5244.3	77	9.3	01937.2	+5117.8
3410	5.4	231007.6	+5226.3	3500	9.5	233546.7	+5228.3	3589	9.5	235601.0	+5259.6	78	9.1	02004.0	+5144.4
3411	9.3	231026.9	+5221.3	3501	9.2	233553.9	+5218.7	3590	8.0	235603.3	+5230.5	79	9.2	02004.0	+5117.6
3412	9.4	231030.8	+5254.8	3502	9.0	233601.2	+5232.0	3591	9.1	235617.4	+5240.6	80	9.3	02004.4	+5105.5
3413	9.5	231039.5	+5202.0	3503	6.5	233604.0	+5220.8	3592	9.0	235624.8	+5223.5	81	9.5	02030.2	+5157.2
3414	9.0	231121.6	+5125.0	3504	9.0	233635.8	+5210.7	3593	9.3	235644.8	+5213.9	82	9.5	02031.3	+5147.1
3415	9.5	231157.0	+5103.5	3505	9.5	233651.3	+5213.5	3594	9.4	235715.7	+5248.1	83	9.5	02040.6	+5120.9
3416	9.4	231218.6	+5133.0	3506	9.1	233704.6	+5245.9	3595	9.4	235740.3	+5250.2	84	9.4	02145.1	+5130.9
3417	8.3	231224.1	+5128.0	3507	9.3	233710.4	+5245.9	3596	9.4	235752.7	+5202.4	85	9.3	02146.1	+5130.1
3418	9.5	231227.0	+5202.8	3508	9.5	233711.4	+5242.8	3597	9.5	235802.9	+5202.4	86	8.5	02155.8	+5149.0
3419	9.3	231305.2	+5252.7	3509	9.5	233715.5	+5228.5	3598	7.0	235808.1	+5221.6	87	8.6	02218.6	+5142.8
3420	9.5	231305.4	+5247.0	3510	9.5	233723.0	+5249.3	3599	8.5	235835.9	+5228.6	88	8.7	02236.7	+5101.1
3421	9.3	231305.6	+5216.6	3511	9.4	233736.4	+5226.8	3600	9.0	235932.0	+5221.4	89	9.4	02313.2	+5133.0
3422	8.8	231345.6	+5219.0	3512	9.5	233800.2	+5242.4	3601	9.4	235948.6	+5221.2	90	9.5	02323.8	+5120.6
3423	9.5	231443.5	+5212.8	3513	9.5	233802.0	+5207.2	1	8.9	00002.7	+5151.3	91	9.5	02333.3	+5120.8
3424	9.2	231454.7	+5243.7	3514	9.4	233806.5	+5257.8	2	7.6	00008.3	+5158.2	92	9.5	02333.3	+5128.2
3425	9.2	231458.7	+5228.2	3515	9.5	233812.5	+5256.5	3	9.5	00014.0	+5108.8	93	8.5	02427.6	+5117.0
3426	9.0	231551.3	+5236.0	3516	9.5	233824.1	+5254.9	4	7.8	00058.3	+5131.7	94	8.8	02503.6	+5103.4
3427	8.8	231618.7	+5207.0	3517	9.4	233845.0	+5211.2	5	9.5	00107.4	+5116.5	95	8.9	02508.3	+5153.3
3428	9.5	231619.6	+5201.0	3518	8.9	233854.5	+5218.0	6	9.0	00156.0	+5112.1	96	9.4	02527.6	+5132.7
3429	8.1	231644.8	+5207.1	3519	9.4	233858.6	+5252.9	7	9.4	00201.8	+5118.5	97	9.2	02544.8	+5151.7
3430	9.0	231648.3	+5211.6	3520	8.7	233916.2	+5249.9	8	9.4	00211.0	+5145.9	98	9.5	02547.2	+5141.0
3431	9.5	231650.1	+5255.8	3521	9.5	233946.5	+5221.4	9	8.0	00212.8	+5113.3	99	9.5	02639.7	+5127.9
3432	9.5	231706.3	+5208.8	3522	9.1	234004.4	+5208.7	10	8.8	00219.6	+5114.0	100	9.4	02653.8	+5153.2
3433	9.2	231748.1	+5236.3	3523	9.5	234019.0	+5210.2	11	9.4	00237.5	+5152.4	101	9.5	02704.5	+5100.8
3434	9.5	231756.5	+5213.2	3524	9.5	234020.1	+5219.0	12	7.1	00243.7	+5126.7	102	9.5	02711.4	+5140.4
3435	7.8	231758.0	+5237.0	3525	9.1	234023.0	+5225.5	13	8.2	00257.2	+5106.5	103	7.8	02715.2	+5102.8
3436	9.4	231800.2	+5251.3	3526	8.8	234047.6	+5229.8	14	7.9	00301.5	+5130.9	104	9.5	02809.0	+5116.2
3437	9.3	231800.6	+5236.5	3527	9.5	234102.2	+5208.7	15	9.5	00313.4	+5153.8	105	9.5	02817.3	+5110.8
3438	9.3	231836.7	+5234.0	3528	9.1	234112.4	+5208.4	16	8.8	00325.3	+5138.5	106	9.5	02828.6	+5152.3
3439	9.4	231853.1	+5218.6	3529	8.6	234114.3	+5228.3	17	8.9	00337.0	+5140.3	107	9.5	02840.1	+5101.0
3440	7.0	231854.0	+5212.2	3530	9.2	234115.0	+5243.4	18	8.9	00351.0	+5116.1	108	9.5	02852.5	+5133.7
3441	8.9	231902.1	+5248.0	3531	8.9	234119.4	+5233.1	19	9.4	00359.9	+5159.1	109	9.5	02856.9	+5134.9
3442	7.9	231903.2	+5234.6	3532	9.3	234128.4	+5227.9	20	9.5	00417.2	+5114.3	110	9.1	02926.8	+5127.2
3443	9.4	231912.4	+5203.7	3533	9.5	234129.2	+5232.2	21	9.0	00512.7	+5134.2	111	8.6	02939.1	+5111.1
3444	8.3	231916.1	+5223.0	3534	9.0	234138.0	+5218.8	22	8.4	00514.3	+5107.8	112	9.1	02949.0	+5111.3
3445	9.5	231930.6	+5259.3	3535	9.4	234138.0	+5208.1	23	8.0	00539.2	+5101.6	113	9.3	03007.4	+5127.8
3446	7.8	231937.0	+5222.1	3536	9.4	234143.3	+5248.4	24	9.4	00607.4	+5126.5	114	9.5	03014.1	+5119.0
3447	9.3	231944.3	+5204.6	3537	8.7	234149.9	+5223.9	25	8.6	00608.2	+5151.2	115	9.2	03024.2	+5106.1
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+51 1938 14h32m

+51 2297 17h57m

1938	9.4	143253.0	+5152.2	2028	9.0	154135.0	+5108.7	2118	9.0	163143.7	+5133.5	2208	8.8	172146.7	+5111.1
1939	8.8	143338.7	+5142.9	2029	9.3	154152.5	+5120.6	2119	9.3	163215.1	+5155.1	2209	9.5	172151.5	+5142.9
1940	8.9	143351.5	+5157.2	2030	8.3	154221.5	+5114.3	2120	9.5	163228.8	+5103.6	2210	8.1	172205.2	+5137.3
1941	9.4	143430.3	+5102.6	2031	9.3	154222.2	+5156.1	2121	9.2	163300.2	+5151.2	2211	9.5	172221.4	+5149.4
1942	8.1	143441.7	+5137.9	2032	7.8	154407.8	+5124.1	2122	8.0	163339.9	+5137.7	2212	9.3	172311.6	+5146.1
1943	8.9	143537.8	+5135.4	2033	9.5	154427.0	+5125.6	2123	9.5	163441.3	+5101.9	2213	9.5	172337.1	+5150.7
1944	9.1	143628.0	+5157.7	2034	8.0	154610.5	+5119.2	2124	9.5	163502.4	+5123.8	2214	9.5	172339.2	+5155.4
1945	8.6	143901.8	+5113.8	2035	9.4	154708.7	+5113.7	2125	7.0	163519.0	+5106.4	2215	9.5	172411.0	+5104.6
1946	9.5	143924.7	+5157.1	2036	8.2	154712.0	+5116.2	2126	8.9	163523.0	+5121.3	2216	9.5	172437.2	+5157.6
1947	9.4	143929.8	+5152.4	2037	9.5	154749.6	+5157.9	2127	9.3	163647.7	+5109.9	2217	9.1	172444.3	+5142.9
1948	9.3	143939.5	+5102.8	2038	8.5	154931.9	+5152.8	2128	9.3	163837.5	+5129.1	2218	7.5	172511.5	+5128.0
1949	9.1	144034.9	+5136.3	2039	9.5	155033.1	+5148.5	2129	9.3	163842.4	+5104.4	2219	7.3	172537.0	+5135.5
1950	9.5	144044.9	+5146.7	2040	9.4	155119.4	+5140.1	2130	7.3	164010.9	+5148.7	2220	9.1	172537.0	+5152.9
1951	7.0	144140.3	+5100.0	2041	9.1	155211.1	+5117.6	2131	9.5	164100.7	+5122.6	2221	9.1	172538.0	+5151.4
1952	9.0	144218.8	+5124.8	2042	9.5	155413.2	+5151.7	2132	8.5	164113.9	+5104.4	2222	9.1	172608.5	+5111.6
1953	9.5	144229.4	+5123.8	2043	8.8	155424.1	+5107.2	2133	8.3	164119.6	+5140.2	2223	9.5	172638.4	+5156.0
1954	8.5	144253.3	+5102.4	2044	9.3	155439.0	+5107.6	2134	9.3	164340.0	+5156.6	2224	9.1	172711.3	+5101.0
1955	9.3	144320.7	+5151.2	2045	9.2	155444.5	+5114.6	2135	9.3	164340.2	+5129.3	2225	9.3	172903.7	+5152.5
1956	8.9	144334.2	+5151.9	2046	7.8	155505.2	+5104.1	2136	9.5	164500.5	+5156.0	2226	9.3	172907.7	+5144.8
1957	6.3	144450.7	+5158.9	2047	9.5	155513.6	+5105.9	2137	9.2	164534.9	+5125.3	2227	9.5	173011.6	+5128.5
1958	8.8	144554.7	+5154.7	2048	8.1	155556.3	+5112.1	2138	9.5	164611.7	+5108.9	2228	9.5	173108.0	+5150.6
1959	9.4	144613.0	+5111.4	2049	9.0	155559.7	+5134.8	2139	9.5	164616.3	+5131.2	2229	9.5	173116.3	+5113.5
1960	9.5	144622.8	+5114.4	2050	8.0	155636.6	+5114.1	2140	9.5	164718.8	+5149.7	2230	9.3	173124.1	+5126.4
1961	9.3	144626.6	+5155.4	2051	8.3	155754.7	+5145.4	2141	7.9	164720.7	+5122.8	2231	9.4	173208.3	+5144.4
1962	9.2	144700.7	+5149.5	2052	9.5	155901.9	+5135.5	2142	7.7	164745.3	+5101.9	2232	9.2	173217.5	+5136.9
1963	9.5	144750.4	+5111.4	2053	9.4	155920.2	+5105.2	2143	9.5	164809.8	+5117.3	2233	7.9	173313.8	+5111.6
1964	9.5	144800.2	+5142.7	2054	9.5	155924.4	+5122.5	2144	8.9	164940.2	+5122.3	2234	7.5	173318.9	+5105.3
1965	8.8	144821.3	+5113.9	2055	9.3	160020.9	+5150.0	2145	8.0	165022.2	+5115.4	2235	9.3	173335.5	+5115.4
1966	9.2	144824.7	+5151.5	2056	9.0	160042.0	+5152.1	2146	8.3	165043.0	+5134.3	2236	8.8	173340.1	+5146.1
1967	9.5	144846.3	+5114.9	2057	9.1	160045.7	+5146.0	2147	9.5	165045.7	+5144.2	2237	8.8	173428.8	+5127.0
1968	8.8	145030.3	+5113.4	2058	8.8	160408.2	+5106.2	2148	9.5	165122.4	+5138.2	2238	9.5	173513.0	+5118.5
1969	9.4	145218.9	+5135.3	2059	8.5	160439.1	+5133.0	2149	9.5	165138.2	+5127.8	2239	9.5	173536.4	+5157.0
1970	8.1	145200.7	+5126.2	2060	8.5	160453.9	+5114.6	2150	9.5	165138.5	+5156.2	2240	8.3	173538.0	+5147.4
1971	9.0	145318.7	+5130.8	2061	8.0	160511.2	+5107.1	2151	9.5	165157.2	+5113.3	2241	8.8	173720.3	+5141.4
1972	7.3	145355.8	+5108.9	2062	9.5	160510.7	+5119.1	2152	9.4	165200.7	+5154.1	2242	7.9	173759.5	+5132.6
1973	7.9	145559.9	+5122.9	2063	9.4	160715.1	+5117.8	2153	9.5	165223.0	+5102.6	2243	6.0	173804.1	+5153.3
1974	9.5	145627.2	+5156.1	2064	9.5	160715.3	+5133.0	2154	8.7	165224.4	+5120.5	2244	9.4	173823.8	+5107.1
1975	8.9	145723.3	+5113.8	2065	9.0	160719.3	+5112.0	2155	8.9	165244.2	+5154.7	2245	9.4	173823.8	+5129.0
1976	9.3	145751.7	+5101.0	2066	9.3	160825.8	+5109.2	2156	8.5	165259.3	+5141.1	2246	9.0	173913.5	+5140.7
1977	9.4	150021.1	+5155.2	2067	9.4	161106.0	+5149.4	2157	9.0	165334.7	+5112.6	2247	8.5	173914.8	+5120.0
1978	9.2	150140.6	+5158.9	2068	9.5	161157.6	+5122.5	2158	9.5	165547.7	+5107.6	2248	8.4	173919.5	+5141.4
1979	9.0	150259.7	+5128.8	2069	8.8	161234.1	+5157.4	2159	9.5	165645.5	+5101.6	2249	9.5	173956.3	+5124.5
1980	9.0	150340.6	+5113.9	2070	9.2	161245.7	+5145.0	2160	9.4	165717.2	+5153.0	2250	7.8	174056.3	+5150.7
1981	7.9	150345.9	+5135.1	2071	9.5	161351.2	+5132.3	2161	7.3	165905.7	+5107.1	2251	8.8	174127.8	+5158.3
1982	9.4	150428.6	+5145.3	2072	9.3	161420.0	+5121.5	2162	9.1	165912.5	+5124.5	2252	8.4	174151.8	+5151.4
1983	8.9	150446.5	+5140.8	2073	9.0	161449.9	+5140.5	2163	9.1	165913.3	+5136.4	2253	9.5	174217.9	+5116.5
1984	9.5	150530.2	+5140.3	2074	9.0	161521.1	+5112.1	2164	8.3	170014.2	+5127.0	2254	9.4	174250.5	+5152.0
1985	9.5	150639.7	+5122.4	2075	9.3	161546.4	+5110.6	2165	9.5	170107.0	+5156.4	2255	9.0	174309.4	+5126.5
1986	9.5	150645.3	+5143.4	2076	8.4	161557.7	+5158.1	2166	9.5	170156.5	+5149.9	2256	9.5	174402.6	+5116.3
1987	9.0	150645.3	+5116.1	2077	8.9	161557.9	+5154.7	2167	9.4	170217.1	+5134.3	2257	9.5	174426.2	+5112.8
1988	9.5	150733.9	+5101.1	2078	9.4	161635.2	+5155.9	2168	9.4	170235.0	+5151.2	2258	9.1	174450.1	+5138.1
1989	9.4	151022.2	+5119.9	2079	9.4	161653.7	+5126.7	2169	8.8	170242.5	+5106.1	2259	9.4	174502.5	+5158.7
1990	6.3	151125.3	+5128.6	2080	9.5	161716.9	+5107.1	2170	9.3	170243.2	+5121.5	2260	8.6	174509.2	+5145.4
1991	9.4	151131.5	+5103.8	2081	9.5	161721.7	+5126.5	2171	9.3	170244.7	+5139.4	2261	8.9	174540.7	+5130.9
1992	8.7	151133.1	+5128.2	2082	8.0	161724.5	+5151.4	2172	9.5	170303.6	+5139.3	2262	9.2	174633.9	+5106.0
1993	8.9	151505.0	+5157.7	2083	8.4	161727.1	+5140.5	2173	8.6	170308.2	+5144.4	2263	9.2	174652.3	+5125.0
1994	9.5	151550.1	+5138.9	2084	8.4	161735.2	+5151.1	2174	8.8	170329.0	+5105.1	2264	9.5	174706.1	+5130.9
1995	9.4	151636.4	+5117.6	2085	9.5	161800.8	+5119.1	2175	9.5	170402.5	+5138.0	2265	7.5	174713.5	+5117.0
1996	9.4	151640.9	+5151.9	2086	9.3	161833.2	+5119.1	2176	9.1	170425.0	+5107.6	2266	9.0	174745.3	+5115.5
1997	9.5	151726.5	+5154.4	2087	9.5	161846.7	+5104.1	2177	9.5	170430.0	+5151.3	2267	9.2	174810.7	+5104.4
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2000	8.2	152032.8	+5143.3	2090	9.3	161913.6	+5139.0	2180	9.5	170618.9	+5132.0	2270	9.5	174842.6	+5158.0
2001	9.4	152053.1	+5105.9	2091	9.2	161916.8	+5103.7	2181	9.5	170637.2	+5124.8	2271	9.3	174846.3	+5132.4
2002	9.5	152055.5	+5158.3	2092	9.3	161928.2	+5112.6	2182	8.9	170646.3	+5124.5	2272	9.5	174901.4	+5159.0
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2004	9.4	152115.5	+5113.5	2094	9.0	161953.2	+5144.5	2184	9.5	170701.4	+5123.5	2274	9.0	175013.9	+5157.7
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+51 3375 22h20m

+51 3734 23h46m

3375	8.2	222047.6	+5136.9	3465	9.5	224022.5	+5151.5	3555	9.1	230519.2	+5135.1	3645	9.2	232736.7	+5146.6
3376	9.2	222056.7	+5104.6	3466	9.1	224054.2	+5126.0	3556	8.5	230540.4	+5109.6	3646	8.8	232743.1	+5117.3
3377	9.5	222108.3	+5129.7	3467	8.9	224103.0	+5121.9	3557	9.4	230542.9	+5117.4	3647	7.9	232752.6	+5148.5
3378	9.5	222109.4	+5146.8	3468	9.5	224122.7	+5124.7	3558	7.5	230550.3	+5126.3	3648	8.9	232755.0	+5113.2
3379	9.4	222126.1	+5143.4	3469	8.8	224128.6	+5110.4	3559	8.0	230607.6	+5105.7	3649	8.5	232800.2	+5152.9
3380	9.4	222141.9	+5152.2	3470	9.0	224143.2	+5157.8	3560	9.5	230719.3	+5102.0	3650	8.5	232803.0	+5105.0
3381	8.0	222147.2	+5113.9	3471	7.8	224147.1	+5112.3	3561	9.3	230725.5	+5131.2	3651	8.4	232803.3	+5101.5
3382	9.0	222154.9	+5140.0	3472	9.1	224154.1	+5135.7	3562	9.5	230726.9	+5139.2	3652	9.0	232811.6	+5159.2
3383	9.4	222207.5	+5134.7	3473	9.5	224237.5	+5121.6	3563	9.3	230802.8	+5104.3	3653	8.5	232823.1	+5135.4
3384	8.6	222216.2	+5127.6	3474	8.9	224242.4	+5106.2	3564	8.8	230805.1	+5119.5	3654	9.4	232830.0	+5140.2
3385	8.9	222226.8	+5109.9	3475	9.5	224253.1	+5131.4	3565	9.4	230824.2	+5148.0	3655	6.5	232831.0	+5129.2
3386	9.5	222227.1	+5110.3	3476	8.6	224254.3	+5111.4	3566	8.2	230837.2	+5134.0	3656	9.3	232840.1	+5153.2
3387	9.4	222258.7	+5153.2	3477	9.5	224302.3	+5146.0	3567	8.7	230839.4	+5121.3	3657	9.1	232846.1	+5153.1
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3389	9.4	222302.0	+5102.2	3479	9.4	224320.1	+5109.3	3569	9.5	230909.0	+5113.6	3659	9.1	232852.0	+5152.4
3390	9.2	222307.5	+5121.0	3480	9.5	224322.4	+5151.0	3570	9.2	230913.6	+5130.5	3660	8.7	232855.1	+5148.9
3391	9.5	222321.3	+5123.6	3481	9.2	224332.3	+5149.5	3571	9.5	230919.0	+5140.5	3661	9.0	232859.3	+5150.2
3392	9.4	222329.0	+5103.9	3482	9.5	224357.2	+5123.6	3572	9.5	230926.8	+5103.8	3662	9.2	232908.9	+5157.1
3393	9.2	222340.9	+5113.8	3483	9.4	224417.8	+5118.1	3573	9.1	230948.2	+5141.7	3663	9.4	232928.4	+5158.7
3394	8.5	222345.7	+5138.0	3484	9.2	224422.6	+5122.8	3574	9.2	230958.9	+5142.5	3664	9.0	232932.0	+5122.0
3395	8.0	222347.0	+5145.2	3485	7.2	224434.4	+5116.7	3575	9.5	231024.6	+5113.6	3665	9.0	232934.7	+5149.3
3396	6.7	222407.0	+5140.0	3486	7.3	224455.5	+5130.1	3576	9.5	231025.0	+5110.6	3666	8.1	232958.6	+5129.0
3397	9.2	222419.4	+5112.3	3487	9.1	224508.7	+5143.6	3577	9.0	231057.7	+5130.6	3667	9.4	233002.9	+5129.1
3398	9.4	222423.7	+5147.7	3488	9.5	224514.1	+5151.8	3578	9.4	231058.3	+5142.0	3668	9.4	233007.8	+5143.6
3399	9.2	222424.8	+5105.5	3489	9.4	224521.5	+5139.3	3579	9.3	231105.8	+5138.9	3669	9.5	233040.9	+5149.1
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3429	9.4	223153.3	+5124.0	3519	8.8	225343.3	+5136.6	3609	9.3	231949.4	+5107.6	3699	9.5	233738.5	+5110.5
3430	9.0	223201.7	+5177.9	3520	8.9	225421.4	+5106.7	3610	9.5	231958.2	+5141.0	3700	9.5	233740.0	+5141.5
3431	9.4	223206.2	+5147.8	3521	8.4	225427.6	+5123.5	3611	9.5	232022.6	+5100.8	3701	9.3	233751.4	+5106.5
3432	9.5	223216.2	+5108.1	3522	9.5	225439.1	+5107.8	3612	9.4	232041.3	+5103.6	3702	9.5	233759.6	+5147.2
3433	9.0	223225.7	+5137.4	3523	9.5	225445.2	+5156.8	3613	9.4	232046.2	+5101.5	3703	9.5	233820.1	+5100.9
3434	9.5	223226.2	+5136.9	3524	9.4	225457.8	+5152.8	3614	9.2	232114.6	+5118.3	3704	9.5	233828.7	+5154.2
3435	9.5	223242.3	+5129.5	3525	9.0	225517.3	+5140.8	3615	9.2	232121.8	+5101.6	3705	9.5	233845.5	+5141.3
3436	9.0	223251.9	+5104.1	3526	9.5	225612.0	+5102.6	3616	9.5	232123.9	+5142.5	3706	9.4	233907.7	+5120.7
3437	8.8	223344.7	+5119.7	3527	9.2	225633.3	+5125.1	3617	9.4	232146.0	+5155.8	3707	9.1	233908.5	+5131.7
3438	9.5	223352.0	+5159.7	3528	9.4	225645.8	+5126.0	3618	9.2	232153.1	+5149.2	3708	9.3	233930.9	+5129.1
3439	9.4	223359.6	+5150.0	3529	9.5	225646.6	+5155.9	3619	9.1	232155.7	+5143.0	3709	9.5	233947.5	+5117.0
3440	9.1	223405.1	+5158.2	3530	9.3	225701.9	+5101.9	3620	9.5	232200.6	+5130.9	3710	9.5	233950.2	+5109.0
3441	9.3	223418.5	+5150.4	3531	9.5	225707.0	+5126.6	3621	9.0	232207.5	+5140.3	3711	9.3	234002.7	+5132.0
3442	8.8	223421.6	+5131.2	3532	9.3	225713.9	+5123.8	3622	9.2	232207.9	+5127.6	3712	9.5	234004.5	+5107.9
3443	9.4	223501.7	+5103.6	3533	9.4	225752.4	+5128.5	3623	8.5	232236.9	+5152.5	3713	9.4	234020.0	+5146.7
3444	7.1	223502.9	+5100.2	3534	8.9	225754.3	+5120.6	3624	9.2	232246.1	+5157.9	3714	8.8	234043.5	+5105.6
3445	9.2	223522.0	+5137.2	3535	9.5	225755.1	+5132.0	3625	8.7	232247.0	+5147.5	3715	9.5	234048.7	+5148.9
3446	9.5	223533.5	+5112.4	3536	8.8	225814.0	+5140.0	3626	9.1	232254.2	+5117.8	3716	8.6	234050.0	+5101.8
3447	8.5	223609.2	+5148.5	3537	9.1	225940.9	+5155.7	3627	9.3	232255.7	+5127.1	3717	9.5	234100.5	+5124.7

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3735	9.2	234626.4	+5125.8	39	9.3	00832.2	+5042.4	129	9.5	03448.0	+5042.5	218	9.5	05745.0	+5048.3
3736	9.1	234651.7	+5158.0	40	9.5	00903.3	+5043.9	130	9.5	03451.0	+5051.0	219	9.4	05831.9	+5041.1
3737	9.3	234711.7	+5148.0	41	9.4	00935.7	+5041.7	131	9.3	03453.7	+5018.2	220	9.5	05933.4	+5014.9
3738	9.4	234715.4	+5106.0	42	9.5	00936.4	+5027.2	132	9.5	03455.1	+5026.7	221	9.4	05953.8	+5037.6
3739	6.5	234815.3	+5156.0	43	9.5	00956.7	+5000.4	133	8.4	03526.2	+5059.2	222	9.4	05954.7	+5041.2
3740	9.5	234823.8	+5152.0	44	9.3	00956.7	+5008.6	134	9.5	03541.9	+5054.7	223	9.5	10009.5	+5024.3
3741	9.4	234852.4	+5108.2	45	9.1	00957.3	+5014.8	135	9.4	03617.0	+5008.7	224	8.5	10059.5	+5048.2
3742	9.5	234911.5	+5154.7	46	6.5	01003.2	+5038.1	136	9.4	03618.1	+5008.2	225	9.4	10100.1	+5031.4
3743	9.5	234928.7	+5149.9	47	8.7	01011.4	+5016.3	137	9.4	03740.2	+5019.3	226	9.5	10127.5	+5013.8
3744	8.1	234939.6	+5121.4	48	9.5	01028.4	+5029.7	138	9.0	03808.0	+5045.8	227	7.3	10133.7	+5058.1
3745	9.4	234949.1	+5105.3	49	9.5	01030.6	+5049.1	139	8.8	03832.7	+5054.0	228	7.1	10201.3	+5014.3
3746	9.5	234956.1	+5105.8	50	9.4	01115.9	+5007.6	140	9.4	03833.8	+5057.1	229	9.5	10213.0	+5009.5
3747	9.2	235013.6	+5110.9	51	9.4	01133.6	+5003.2	141	8.2	03915.9	+5018.5	230	9.0	10215.7	+5053.8
3748	9.3	235030.7	+5104.6	52	9.4	01155.1	+5031.2	142	8.4	03920.7	+5018.7	231	9.2	10218.0	+5001.9
3749	9.4	235053.1	+5106.7	53	9.2	01208.4	+5013.7	143	7.5	03948.7	+5039.2	232	9.5	10300.9	+5045.5
3750	8.5	235133.4	+5101.2	54	9.5	01237.4	+5001.5	144	9.5	03951.5	+5000.2	233	9.5	10303.9	+5040.0
3751	9.3	235135.7	+5130.2	55	9.5	01331.9	+5005.6	145	9.5	04026.3	+5056.1	234	9.4	10312.6	+5002.5
3752	9.1	235148.1	+5132.4	56	9.5	01336.5	+5056.9	146	9.4	04035.0	+5047.4	235	9.3	10316.6	+5058.8
3753	9.5	235229.9	+5127.3	57	9.4	01439.7	+5049.9	147	5.2	04039.5	+5010.6	236	8.2	10342.9	+5045.1
3754	9.5	235235.4	+5127.4	58	9.3	01502.4	+5043.6	148	9.1	04044.6	+5059.9	237	9.4	10355.7	+5013.1
3755	9.1	235253.8	+5151.0	59	9.4	01516.7	+5007.9	149	9.5	04050.2	+5037.8	238	7.0	10416.7	+5050.3
3756	8.7	235302.5	+5107.5	60	8.3	01526.8	+5057.9	150	9.4	04054.2	+5028.2	239	9.5	10433.5	+5053.9
3757	9.0	235337.9	+5127.5	61	8.8	01531.9	+5023.6	151	9.1	04055.0	+5054.6	240	8.9	10436.9	+5019.2
3758	8.8	235338.5	+5116.2	62	9.3	01605.2	+5039.8	152	9.3	04101.3	+5057.3	241	8.7	10452.4	+5016.1
3759	9.3	235338.6	+5133.5	63	8.8	01606.3	+5051.0	153	9.4	04112.0	+5025.0	242	9.5	10558.3	+5036.7
3760	9.0	235343.0	+5148.4	64	8.7	01620.0	+5005.5	154	8.9	04150.1	+5025.0	242a	9.5	10606.2	+5014.0
3761	9.0	235419.7	+5124.5	65	9.4	01628.6	+5017.4	155	3.9	04152.3	+5028.7	243	7.1	10648.6	+5058.4
3762	9.0	235422.5	+5158.3	66	9.5	01707.1	+5056.5	156	9.0	04201.7	+5052.5	244	9.2	10702.6	+5046.5
3763	9.5	235438.5	+5147.2	67	9.1	01731.9	+5046.3	157	9.5	04213.2	+5029.2	245	8.5	10706.7	+5006.2
3764	8.6	235456.3	+5146.7	68	9.1	01735.2	+5008.1	158	9.4	04230.0	+5041.5	246	9.5	10812.5	+5029.1
3765	9.3	235505.5	+5145.1	69	9.5	01819.0	+5047.0	159	9.2	04230.0	+5035.5	247	9.4	10838.6	+5056.7
3766	8.8	235506.9	+5101.3	70	9.4	01823.3	+5021.2	160	9.2	04230.6	+5038.7	248	9.5	10846.9	+5010.5
3767	9.2	235511.6	+5146.5	71	9.0	01827.1	+5015.7	161	6.7	04241.7	+5043.1	249	9.3	10848.6	+5030.8
3768	9.3	235538.5	+5100.2	72	8.2	01831.9	+5028.7	162	9.4	04248.8	+5003.5	250	9.5	10935.1	+5003.5
3769	8.2	235542.7	+5139.5	73	9.5	01909.4	+5036.0	163	9.5	04251.3	+5010.6	251	9.4	10951.8	+5045.9
3770	9.1	235615.4	+5126.3	74	9.4	01933.9	+5041.8	164	6.7	04318.7	+5046.9	252	9.5	10956.3	+5044.9
3771	9.5	235637.4	+5156.6	75	8.9	01951.6	+5039.6	165	8.3	04325.1	+5024.4	253	9.3	11006.0	+5035.5
3772	9.4	235656.9	+5151.3	76	9.0	02003.0	+5006.7	166	9.5	04330.0	+5002.9	254	9.0	11011.9	+5051.3
3773	9.1	235704.7	+5101.4	77	9.4	02014.2	+5016.0	167	9.5	04357.7	+5044.8	255	9.2	11035.9	+5002.3
3774	9.3	235706.8	+5117.1	78	9.5	02040.4	+5020.2	168	9.5	04359.0	+5036.1	256	9.4	11105.2	+5010.3
3775	9.4	235711.9	+5109.2	79	9.5	02041.8	+5036.9	168a	9.5	04432.7	+5033.2	257	9.5	11128.1	+5048.7
3776	9.0	235725.4	+5110.3	80	9.5	02059.4	+5058.5	169	9.4	04443.1	+5018.8	258	9.4	11144.6	+5008.9
3777	9.2	235727.9	+5145.5	81	9.4	02116.6	+5006.7	170	9.5	04457.0	+5033.7	259	9.5	11154.2	+5007.5
3778	8.9	235728.4	+5126.4	82	9.1	02121.6	+5029.8	171	8.8	04458.2	+5004.7	260	6.5	11156.6	+5050.5
3779	9.5	235753.5	+5118.0	83	9.5	02137.7	+5057.3	172	9.3	04500.7	+5012.0	261	9.3	11159.4	+5050.5
3780	9.0	235850.7	+5150.5	84	9.5	02137.9	+5018.8	173	9.3	04509.3	+5012.2	262	8.8	11256.8	+5019.8
3781	9.5	235854.9	+5126.1	85	9.5	02205.8	+5003.6	174	9.1	04513.8	+5058.5	263	9.3	11257.4	+5022.8
3782	9.2	235859.9	+5125.1	86	9.3	02220.4	+5045.6	175	9.2	04557.7	+5020.5	264	9.4	11310.7	+5011.6
3783	9.5	235903.7	+5127.1	87	9.1	02223.5	+5040.5	176	8.9	04559.7	+5002.2	265	9.5	11356.4	+5047.5
3784	8.8	235905.7	+5127.6	88	9.4	02253.2	+5010.7	177	9.4	04618.9	+5057.4	266	9.0	11457.6	+5049.0
3785	9.0	235930.9	+5111.2	89	9.4	02323.5	+5030.8	178	9.4	04636.3	+5026.1	267	7.0	11526.5	+5024.8
3786	9.4	235946.5	+5123.6	90	9.5	02355.9	+5043.4	179	8.6	04640.6	+5025.0	268	9.4	11531.3	+5029.9
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3	9.4	00038.2	+5009.5	93	8.0	02438.2	+5018.1	182	9.5	04648.1	+5037.9	271	9.4	11555.9	+5008.7
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13	8.4	00234.5	+5000.0	103	9.0	02741.3	+5003.3	192	9.5	05121.6	+5029.4	281	9.3	11911.5	+5024.5
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16	8.6	00315.4	+5022.5	106	9.5	02755.0	+5017.1	195	8.4	05157.7	+5049.3	284	9.5	12008.8	+5028.5
17	8.8	00325.7	+5047.1	107	9.2	02816.1	+5058.8	196	9.4	05209.0	+5038.5	285	9.1	12008.6	+5038.5
18	9.4	00344.8	+5021.4	108	9.2	02828.9	+5010.4	197	8.5	05216.7	+5031.9	286	6.8	12009.1	+5056.0
19	8.9	00348.3	+5002.5	109	9.5	02929.7	+5001.7	198	7.6	05233.7	+5005.9	286a	9.5	12010.8	+5007.7
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1393	9.5	65723.8	+5057.6	1483	9.5	74237.9	+5035.4	1573	8.5	83558.1	+5032.8	1663	9.2	92731.9	+5013.6
1394	9.4	65821.4	+5030.0	1484	9.5	74249.0	+5011.0	1574	8.3	83736.7	+5048.9	1664	9.2	92837.8	+5015.6
1395	9.5	65834.0	+5058.1	1485	7.5	74355.6	+5009.4	1575	9.4	83756.9	+5007.0	1665	8.0	92838.9	+5032.3
1396	9.4	65912.9	+5021.9	1486	9.3	74402.4	+5058.5	1576	9.4	83849.2	+5044.5	1666	8.0	92857.7	+5054.0
1397	8.0	65913.4	+5009.4	1487	9.0	74418.6	+5008.2	1577	9.5	84007.8	+5023.4	1667	9.3	92917.8	+5027.3
1398	9.5	65953.3	+5041.4	1488	9.5	74432.2	+5008.9	1578	9.1	84010.9	+5010.5	1668	9.5	92930.2	+5005.1
1399	7.5	65957.2	+5007.9	1489	8.4	74512.4	+5055.0	1579	9.5	84102.5	+5045.4	1669	9.5	92950.4	+5022.0
1400	9.4	70021.9	+5037.5	1490	9.5	74540.0	+5039.7	1580	8.3	84143.7	+5056.4	1670	9.2	93146.0	+5000.6
1401	7.0	70052.3	+5001.0	1491	9.5	74550.0	+5022.0	1581	9.3	84204.2	+5018.3	1671	9.5	93147.6	+5057.3
1402	9.0	70057.8	+5033.4	1492	9.5	74613.5	+5046.1	1582	7.7	84221.8	+5029.5	1672	9.5	93153.8	+5018.8
1403	9.5	70149.9	+5027.5	1493	9.5	74614.6	+5027.5	1583	8.9	84249.1	+5054.5	1673	8.8	93231.3	+5000.7
1404	8.6	70210.7	+5010.3	1494	8.5	74722.0	+5015.0	1584	9.3	84303.2	+5043.0	1674	9.4	93345.4	+5010.0
1405	8.2	70229.1	+5048.0	1495	8.7	74730.3	+5038.3	1585	9.3	84306.7	+5054.0	1675	9.5	93351.2	+5028.5
1406	9.4	70338.6	+5036.8	1496	9.5	74820.6	+5023.9	1586	9.4	84340.1	+5001.2	1676	9.5	93404.3	+5041.4
1407	9.0	70433.8	+5002.5	1497	9.5	74824.3	+5038.8	1587	9.4	84421.9	+5032.2	1677	9.0	93410.2	+5058.7
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1410	9.4	70707.0	+5020.0	1500	9.3	75002.8	+5045.0	1590	9.5	84507.8	+5002.1	1680	8.5	93443.4	+5004.6
1411	7.8	70711.1	+5045.2	1501	9.5	75230.0	+5022.4	1591	8.9	84525.8	+5023.9	1681	9.4	93647.8	+5000.2
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1422	9.0	71144.0	+5002.0	1512	9.5	75744.0	+5020.4	1602	9.3	85253.7	+5036.0	1692	8.4	94237.1	+5038.2
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1426	8.8	71331.8	+5010.3	1516	9.0	80112.3	+5000.5	1606	8.5	85519.2	+5052.4	1696	9.5	94452.8	+5012.6
1427	9.5	71457.3	+5030.8	1517	7.7	80151.1	+5025.5	1607	8.1	85527.2	+5052.4	1697	9.1	94524.7	+5058.4
1428	9.0	71500.7	+5037.7	1518	9.5	80156.8	+5049.8	1608	7.5	85615.8	+5012.0	1698	5.6	94614.8	+5030.5
1429	9.5	71612.2	+5011.8	1519	9.4	80228.8	+5032.7	1609	9.5	85708.6	+5023.5	1699	9.3	94630.0	+5042.5
1430	9.5	71616.1	+5027.0	1520	9.1	80320.8	+5006.4	1610	9.1	85716.4	+5015.0	1700	9.4	94633.3	+5027.1
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1432	3.3	71758.3	+5024.2	1522	9.1	80422.5	+5031.4	1612	9.0	85926.1	+5003.1	1702	7.0	94918.0	+5049.9
1433	9.0	71834.8	+5014.7	1523	9.5	80441.0	+5050.5	1613	9.5	85940.3	+5053.4	1703	8.7	95025.5	+5040.0
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+50 2460 17h42m

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+50 2820 19h31m

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2846	8.8	193752.7	+5054.0	2936	7.9	195345.8	+5054.8	3026	9.5	200927.8	+5051.2	3116	9.4	202736.0	+5051.0
2847	6.3	193757.8	+5011.6	2937	9.4	195349.8	+5015.4	3027	9.5	200928.3	+5042.9	3117	9.4	202745.3	+5037.9
2848	6.2	193800.2	+5011.0	2938	9.5	195406.4	+5023.9	3028	7.1	200942.0	+5048.0	3118	9.5	202802.4	+5050.7
2849	9.0	193806.1	+5018.9	2939	9.5	195409.0	+5012.0	3029	9.1	201006.0	+5035.0	3119	9.4	202810.1	+5045.3
2850	9.0	193813.7	+5026.5	2940	8.8	195413.7	+5041.8	3030	9.3	201008.4	+5010.2	3120	9.4	202816.5	+5041.8
2851	9.3	193825.0	+5007.3	2941	8.8	195414.0	+5037.7	3031	9.5	201012.3	+5029.0	3121	9.4	202838.0	+5008.0
2852	9.5	193827.0	+5055.0	2942	9.5	195440.2	+5003.1	3032	9.5	201023.2	+5047.8	3122	9.0	202857.8	+5057.2
2853	9.4	193828.6	+5005.8	2943	9.5	195457.8	+5055.1	3033	9.2	201046.0	+5025.4	3123	9.5	202904.7	+5018.5
2854	9.2	193852.7	+5020.1	2944	9.5	195459.8	+5052.6	3034	9.5	201116.1	+5000.1	3124	9.0	202907.0	+5010.8
2855	9.0	193853.2	+5001.1	2945	7.2	195507.8	+5016.1	3035	9.5	201117.8	+5000.9	3125	9.3	202912.8	+5040.4
2856	9.5	193921.0	+5033.5	2946	9.3	195515.0	+5041.3	3036	9.4	201123.3	+5033.9	3126	9.2	202917.1	+5003.7
2857	9.5	193924.7	+5037.6	2947	8.0	195548.8	+5010.8	3037	9.5	201126.4	+5035.3	3127	9.5	202923.2	+5036.4
2858	9.2	193929.9	+5054.9	2948	8.7	195600.5	+5015.7	3038	8.8	201148.0	+5042.3	3128	9.4	202927.0	+5055.0
2859	9.5	193930.9	+5036.1	2949	9.3	195610.8	+5017.5	3039	9.3	201159.8	+5011.9	3129	9.0	202928.6	+5015.4
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2861	7.9	193953.0	+5043.2	2951	9.0	195621.2	+5023.6	3041	9.2	201207.8	+5059.8	3131	9.1	202935.5	+5051.9
2862	9.1	194008.5	+5033.6	2952	8.0	195632.3	+5015.9	3042	9.0	201209.6	+5045.0	3132	9.0	202945.5	+5044.6
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2868	9.2	194052.2	+5056.1	2958	7.8	195759.6	+5009.0	3048	7.8	201437.8	+5026.1	3138	9.4	203108.6	+5037.8
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3912 9.4 225526.5 +5019.4	4002 9.2 231056.6 +5046.3	4092 9.3 232911.6 +5024.1	4182 9.5 234647.3 +5015.4
3913 9.5 225531.9 +5030.5	4003 9.2 231104.3 +5003.2	4093 8.8 232931.9 +5048.3	4183 9.5 234704.6 +5056.1
3914 9.0 225531.9 +5034.5	4004 9.5 231120.7 +5032.7	4094 8.9 232934.2 +5019.8	4184 9.4 234711.6 +5051.2
3915 9.3 225535.2 +5059.4	4005 9.4 231137.4 +5045.2	4095 9.4 232941.3 +5032.2	4185 9.5 234751.3 +5028.8
3916 9.5 225552.6 +5052.0	4006 9.5 231153.2 +5018.7	4096 9.5 233017.2 +5013.4	4186 9.4 234802.0 +5036.0
3917 8.7 225554.0 +5048.2	4007 9.5 231204.8 +5034.1	4097 8.8 233024.1 +5009.7	4187 8.4 234802.1 +5055.4
3918 9.5 225605.2 +5025.1	4008 9.0 231206.7 +5035.3	4098 9.1 233048.5 +5007.6	4188 8.7 234804.3 +5004.2
3919 9.5 225618.5 +5032.5	4009 9.5 231208.5 +5041.5	4099 8.0 233102.1 +5026.6	4189 9.5 234818.3 +5029.6
3920 9.4 225623.5 +5001.2	4010 9.4 231213.9 +5053.2	4100 9.0 233149.7 +5043.0	4190 9.5 234818.9 +5028.9
3921 9.3 225636.0 +5035.8	4011 9.5 231217.0 +5018.6	4101 9.5 233159.4 +5006.0	4191 9.4 234837.4 +5059.0
3922 8.7 225638.2 +5059.8	4012 9.2 231226.3 +5059.4	4102 9.5 233206.6 +5055.4	4192 9.0 234917.8 +5012.2
3923 9.4 225639.1 +5030.5	4013 9.5 231239.5 +5030.3	4103 9.2 233213.0 +5021.2	4193 8.7 234918.8 +5041.1
3924 9.5 225646.0 +5033.0	4014 9.0 231300.6 +5053.3	4104 9.4 233215.4 +5026.5	4194 9.5 234950.1 +5041.0
3925 9.5 225654.7 +5007.8	4015 9.4 231301.4 +5059.9	4105 9.5 233231.2 +5026.0	4195 9.3 234956.0 +5057.9
3926 9.5 225655.0 +5038.9	4016 9.5 231350.7 +5034.6	4106 9.0 233232.0 +5032.3	4196 9.4 235007.7 +5053.3
3927 9.2 225706.4 +5055.0	4017 9.0 231353.8 +5042.4	4107 9.4 233254.6 +5022.1	4197 9.3 235044.4 +5025.7
3928 9.5 225736.6 +5024.7	4018 9.2 231410.6 +5052.8	4108 9.5 233302.5 +5057.4	4198 8.4 235044.5 +5001.8
3929 9.5 225737.0 +5044.1	4019 9.5 231413.5 +5032.6	4109 9.0 233303.2 +5045.9	4199 8.7 235049.2 +5013.8
3930 9.5 225750.5 +5049.4	4020 9.5 231432.3 +5005.7	4110 9.5 233322.1 +5023.2	4200 9.4 235054.0 +5055.8
3931 9.0 225754.2 +5044.1	4021 9.5 231438.6 +5022.5	4111 9.0 233322.4 +5055.8	4201 9.5 235103.2 +5035.5
3932 9.5 225801.6 +5021.0	4022 9.5 231439.7 +5005.8	4112 9.4 233331.5 +5013.0	4202 30.0 235103.6 +5034.9
3933 8.6 225823.6 +5055.5	4023 8.0 231459.4 +5029.4	4113 9.3 233355.7 +5031.1	4203 9.0 235115.5 +5031.0
3934 9.5 225832.6 +5030.0	4024 9.5 231524.3 +5006.6	4114 9.1 233401.8 +5045.5	4204 9.4 235123.7 +5003.8
3935 9.5 225832.8 +5046.3	4025 7.4 231603.9 +5015.1	4115 8.0 233411.7 +5053.0	4205 9.5 235130.2 +5053.3
3936 9.5 225902.5 +5050.3	4026 9.0 231611.2 +5014.1	4116 9.4 233419.5 +5022.3	4206 9.4 235154.3 +5010.0
3937 9.4 225912.2 +5013.2	4027 9.4 231613.8 +5067.0	4117 9.4 233421.6 +5054.0	4207 9.5 235211.0 +5015.5
3938 9.4 225932.3 +5025.2	4028 9.3 231614.1 +5050.9	4118 9.4 233426.4 +5038.6	4208 7.2 235211.4 +5001.6
3939 9.4 225937.4 +5012.5	4029 9.5 231626.8 +5034.5	4119 9.0 233448.0 +5053.6	4209 9.4 235236.1 +5009.6
3940 9.1 225940.9 +5023.7	4030 9.1 231635.7 +5005.6	4120 9.5 233450.5 +5033.0	4210 8.9 235249.2 +5028.6
3941 9.4 225941.6 +5057.6	4031 9.5 231655.5 +5026.9	4121 9.1 233505.6 +5057.1	4211 9.5 235304.4 +5044.9
3942 9.0 225943.1 +5059.5	4032 9.5 231705.7 +5004.6	4122 9.5 233526.7 +5043.1	4212 9.5 235310.9 +5053.9
3943 9.5 225946.3 +5025.3	4033 9.5 231713.8 +5037.8	4123 9.3 233531.7 +5104.2	4213 9.5 235314.2 +5041.6
3944 9.3 225954.2 +5027.7	4034 9.0 231816.6 +5012.0	4124 7.3 233537.8 +5037.5	4214 9.2 235323.8 +5025.1
3945 9.5 230002.1 +5051.9	4035 9.5 231821.4 +5028.2	4125 9.3 233540.9 +5048.7	4215 9.0 235328.5 +5000.3
3946 7.9 230005.7 +5017.8	4036 9.0 231826.7 +5038.6	4126 9.5 233559.0 +5059.5	4216 8.8 235331.2 +5052.2
3947 8.5 230007.4 +5039.2	4037 9.5 231841.3 +5016.7	4127 9.5 233605.6 +5045.1	4217 9.5 235334.0 +5054.6
3948 9.5 230032.6 +5002.3	4038 9.5 231846.8 +5027.5	4128 9.5 233611.4 +5043.5	4218 9.4 235339.3 +5047.0
3949 9.2 230046.3 +5016.8	4039 9.5 231912.7 +5030.0	4129 9.2 233613.6 +5032.9	4219 9.5 235342.3 +5036.2
3950 9.2 230049.5 +5042.8	4040 9.5 231917.0 +5049.0	4130 7.6 233619.2 +5016.3	4220 9.5 235356.5 +5013.0
3951 8.9 230056.0 +5050.1	4041 9.5 231917.6 +5054.6	4131 9.3 233624.1 +5032.8	4221 9.2 235403.1 +5015.4
3952 9.3 230120.6 +5006.1	4042 9.4 231918.5 +5040.9	4132 9.5 233633.5 +5049.3	4222 9.5 235407.0 +5036.6
3953 9.3 230146.8 +5059.4	4043 9.4 231928.4 +5025.7	4133 9.0 233634.0 +5028.1	4223 9.5 235425.5 +5004.9
3954 9.5 230148.2 +5047.1	4044 9.5 231943.8 +5051.0	4134 9.4 233651.6 +5045.0	4224 9.2 235432.4 +5025.3
3955 8.1 230148.6 +5025.0	4045 9.5 231957.6 +5007.8	4135 9.5 233659.8 +5047.7	4225 9.5 235439.8 +5038.0
3956 9.5 230207.1 +5051.1	4046 9.4 232025.2 +5003.3	4136 9.5 233705.1 +5043.3	4226 7.8 235515.5 +5040.1
3957 9.5 230217.5 +5030.1	4047 9.5 232049.5 +5057.4	4137 9.5 233717.0 +5039.1	4227 9.5 235524.0 +5019.8
3958 9.0 230226.0 +5016.5	4048 7.7 232123.1 +5034.0	4138 9.5 233718.3 +5048.1	4228 9.4 235612.0 +5055.7
3959 9.5 230228.2 +5036.1	4049 9.3 232132.4 +5035.5	4139 8.4 233741.5 +5006.5	4229 9.4 235651.5 +5044.6
3960 9.5 230230.5 +5032.6	4050 9.1 232137.2 +5053.8	4140 9.4 233802.2 +5051.3	4230 9.4 235652.5 +5059.7
3961 9.0 230239.7 +5010.4	4051 8.8 232143.8 +5016.5	4141 9.5 233805.0 +5031.3	4231 8.5 235713.4 +5013.6
3962 8.8 230241.6 +5045.3	4052 9.4 232145.2 +5001.5	4142 8.9 233809.2 +5003.3	4232 8.2 235718.1 +5043.5
3963 9.5 230245.9 +5022.6	4053 8.9 232151.7 +5011.3	4143 9.0 233859.7 +5028.2	4233 8.2 235730.5 +5022.6
3964 8.5 230256.0 +5056.6	4054 9.5 232229.4 +5011.3	4144 9.3 233916.8 +5047.6	4234 9.5 235746.5 +5045.9
3965 9.5 230259.9 +5000.8	4055 9.5 232235.1 +5058.7	4145 9.5 233938.5 +5013.8	4235 9.4 235813.7 +5042.0
3966 9.0 230300.7 +5020.0	4056 8.0 232240.8 +5052.9	4146 9.3 233939.4 +5001.8	4236 9.3 235815.4 +5002.4
3967 9.0 230301.0 +5014.4	4057 9.2 232253.4 +5012.9	4147 7.4 233948.5 +5025.7	4237 8.4 235844.6 +5033.8
3968 9.5 230337.5 +5021.7	4058 9.1 232322.5 +5015.7	4148 9.5 233955.0 +5042.7	4238 9.5 235906.5 +5036.4
3969 9.4 230356.4 +5010.0	4059 9.1 232327.4 +5051.2	4149 9.1 233955.7 +5034.5	4239 9.0 235920.4 +5057.5
3970 9.4 230357.2 +5045.2	4060 9.3 232340.2 +5002.8	4150 8.4 233956.0 +5045.2	1 9.1 00019.6 +4915.6
3971 9.5 230358.5 +5040.8	4061 9.0 232342.3 +5010.7	4151 8.8 234007.8 +5005.7	2 8.9 00038.2 +4952.5
3972 9.4 230406.1 +5056.5	4062 9.0 232344.1 +5014.4	4152 9.4 234023.6 +5040.1	3 8.0 00053.9 +4926.5
3973 8.7 230416.5 +5041.8	4063 9.0 232355.6 +5019.1	4153 9.5 234026.3 +5053.6	4 9.2 00100.0 +4923.1
3974 9.4 230419.0 +5001.0	4064 9.5 232415.3 +5020.8	4154 9.5 234028.1 +5038.7	5 8.7 00113.5 +4917.6
3975 8.3 230440.4 +5047.2	4065 9.1 232419.7 +5017.6	4155 9.5 234035.2 +5027.8	6 9.4 00116.6 +4906.9
3976 9.5 230455.1 +5036.4	4066 9.0 232444.5 +5017.6	4156 9.4 234116.6 +5032.9	7 7.7 00129.8 +4902.1
3977 9.5 230455.2 +5008.7	4067 9.5 232510.9 +5040.8	4157 9.7 234118.5 +5037.2	8 9.5 00152.7 +4905.0
3978 9.5 230513.8 +5058.4	4068 9.4 232512.6 +5075.5	4158 9.2 234118.7 +5026.1	9 9.4 00154.6 +4953.1
3979 9.2 230514.0 +5024.0	4069 9.3 232521.2 +5034.2	4159 9.4 234138.6 +5022.7	10 9.3 00159.2 +4928.7
3980 9.0 230523.5 +5055.0	4070 9.2 232525.7 +5029.2	4160 9.5 234152.5 +5044.8	11 9.4 00203.1 +4952.2
3981 9.5 230530.5 +5022.3	4071 9.4 232532.7 +5025.6	4161 8.8 234205.7 +5012.5	12 9.5 00211.0 +4942.4
3982 9.3 230536.4 +5042.8	4072 8.4 232541.6 +5011.7	4162 9.5 234243.8 +5043.1	13 9.0 00216.6 +4956.6
3983 9.5 230557.2 +5005.6	4073 9.3 232615.9 +5051.1	4163 9.5 234250.2 +5000.7	14 9.4 00216.9 +4949.9
3984 9.5 230633.9 +5049.4	4074 8.7 232630.2 +5002.2	4164 9.4 234305.0 +5026.5	15 9.5 00224.0 +4943.5
3985 9.4 230634.3 +5004.7	4075 9.5 232645.9 +5054.8	4165 6.8 234309.2 +5049.0	16 9.1 00234.7 +4921.8
3986 9.4 230640.6 +5057.0	4076 9.2 232701.7 +5043.4	4166 9.5 234314.7 +5030.3	17 8.0 00246.2 +4904.9
3987 9.4 230650.9 +5004.6	4077 9.0 232704.5 +5067.0	4167 9.5 234329.8 +5013.0	18 8.0 00253.3 +4904.6
3988 9.4 230654.0 +5026.6	4078 9.3 232705.3 +5028.8	4168 9.5 234342.3 +5040.1	19 8.4 00304.6 +4919.2
3989 9.3 230655.8 +5044.1	4079 8.8 232708.4 +5047.0	4169 7.9 234346.1 +5035.6	20 8.6 00310.2 +4909.5

21	9.4	00316.5	+4946.1	110	8.4	02323.1	+4902.4	200	9.3	04006.6	+4941.6	290	9.3	05738.9	+4913.3
22	8.5	00356.1	+4928.9	111	9.1	02327.2	+4913.8	201	9.4	04021.5	+4909.2	291	9.4	05739.4	+4953.9
23	8.2	00416.1	+4941.5	112	9.0	02329.5	+4931.9	202	9.5	04027.0	+4933.5	292	9.5	05744.0	+4903.5
24	8.7	00420.2	+4956.9	113	9.3	02347.1	+4905.4	203	9.0	04032.2	+4930.6	293	9.2	05810.9	+4905.9
25	9.5	00436.8	+4935.5	114	9.5	02351.3	+4914.9	204	9.2	04051.4	+4930.4	294	9.4	05830.3	+4928.9
26	8.7	00444.0	+4949.4	115	9.3	02410.6	+4945.0	205	8.6	04051.4	+4910.7	295	9.3	05830.9	+4950.1
27	9.1	00444.7	+4911.6	116	8.8	02411.9	+4912.4	206	9.5	04057.8	+4909.2	296	7.9	05831.3	+4948.8
28	9.5	00504.0	+4937.2	117	9.5	02439.9	+4911.0	207	9.5	04103.3	+4950.0	297	9.2	05839.2	+4904.5
29	8.7	00523.4	+4919.4	118	9.5	02442.0	+4913.1	208	9.4	04118.6	+4951.2	298	9.4	05901.7	+4927.5
30	6.7	00528.5	+4907.3	119	9.4	02447.1	+4959.8	209	9.5	04122.3	+4915.2	299	9.0	05908.9	+4902.0
31	9.5	00544.6	+4937.3	120	9.4	02448.8	+4916.8	210	9.2	04135.4	+4903.9	300	9.5	05920.4	+4937.2
32	9.5	00614.5	+4913.5	121	9.5	02454.0	+4916.5	211	9.5	04143.1	+4927.3	301	9.2	05922.7	+4927.9
33	9.5	00637.2	+4956.1	122	9.4	02456.9	+4937.7	212	9.1	04201.5	+4947.5	302	9.0	05953.0	+4938.8
34	7.8	00651.5	+4930.0	123	8.2	02507.0	+4941.7	213	9.5	04204.9	+4939.3	303	8.5	05955.8	+4934.9
35	7.5	00757.2	+4915.0	124	8.9	02529.6	+4903.5	214	9.4	04210.2	+4950.6	304	9.2	10012.9	+4958.2
36	9.4	00804.0	+4948.2	125	9.5	02533.1	+4927.1	215	8.0	04213.8	+4950.6	305	9.0	10042.0	+4934.6
37	9.5	00826.3	+4917.5	126	8.4	02542.9	+4918.4	216	9.3	04216.8	+4947.1	306	7.9	10045.8	+4956.5
38	8.8	00844.6	+4926.4	127	9.5	02608.8	+4929.8	217	9.2	04230.0	+4918.3	307	8.9	10055.0	+4940.9
39	9.5	00852.0	+4951.9	128	9.5	02616.7	+4923.7	218	9.5	04300.1	+4948.6	308	9.5	10102.8	+4924.3
40	9.0	00934.4	+4946.4	129	9.4	02619.4	+4909.0	219	9.5	04306.1	+4937.8	309	9.3	10116.3	+4943.4
41	9.0	00952.2	+4929.1	130	9.5	02636.0	+4904.0	220	9.2	04335.6	+4951.9	310	9.3	10116.6	+4927.3
42	9.5	01041.3	+4923.0	131	8.5	02643.8	+4926.2	221	9.0	04335.8	+4939.8	311	9.5	10122.0	+4904.5
43	7.5	01117.7	+4953.4	132	9.4	02646.6	+4906.4	222	7.5	04340.9	+4959.2	312	9.5	10129.8	+4929.7
44	9.3	01125.9	+4911.2	133	9.3	02646.7	+4941.2	223	7.8	04346.2	+4913.3	313	8.9	10158.7	+4954.1
45	9.4	01146.1	+4923.8	134	9.5	02658.9	+4930.6	224	8.9	04349.9	+4933.1	314	9.0	10159.8	+4912.3
46	9.3	01148.0	+4942.0	135	9.4	02715.6	+4916.9	225	9.3	04406.1	+4941.0	315	8.9	10209.1	+4949.1
47	9.5	01152.3	+4942.1	136	9.5	02724.7	+4942.1	226	9.5	04428.0	+4941.0	316	9.2	10245.2	+4941.8
48	8.8	01155.4	+4914.2	137	9.5	02752.4	+4926.2	227	9.2	04442.8	+4958.6	317	9.0	10330.5	+4914.2
49	8.3	01208.4	+4956.6	138	9.4	02836.1	+4954.0	228	8.7	04454.2	+4926.1	318	8.8	10336.9	+4920.2
50	7.9	01223.5	+4918.4	139	9.4	02850.5	+4944.8	229	9.2	04543.8	+4945.3	319	9.3	10337.8	+4926.7
51	9.5	01230.3	+4906.9	140	9.0	02902.2	+4918.7	230	9.5	04544.8	+4948.5	320	9.5	10340.5	+4958.6
52	8.6	01235.2	+4952.1	141	9.0	02903.0	+4953.5	231	9.5	04547.3	+4949.7	321	8.5	10346.2	+4921.6
53	9.5	01301.4	+4958.4	142	9.4	02919.8	+4907.1	232	9.3	04551.0	+4912.4	322	8.3	10356.9	+4945.0
54	9.0	01306.1	+4907.1	143	8.5	02922.6	+4930.8	233	9.4	04555.9	+4913.9	323	9.5	10363.3	+4933.9
55	9.5	01337.0	+4950.9	144	9.5	02952.3	+4911.5	234	8.8	04605.8	+4941.0	324	9.0	10439.5	+4948.8
56	9.4	01353.6	+4936.8	145	9.5	03027.9	+4948.5	235	9.5	04634.0	+4923.0	325	9.1	10440.1	+4925.5
57	9.4	01401.3	+4934.8	146	9.5	03027.9	+4933.1	236	9.5	04640.2	+4946.7	326	8.0	10449.9	+4927.2
58	9.5	01403.4	+4901.6	147	9.4	03035.5	+4939.3	237	9.5	04646.6	+4937.3	327	9.5	10501.1	+4934.2
59	9.5	01405.0	+4903.7	148	9.5	03053.1	+4912.1	238	8.8	04720.4	+4903.7	328	8.0	10502.9	+4919.7
60	9.5	01405.0	+4944.9	149	9.5	03146.8	+4949.7	239	8.2	04722.5	+4908.5	329	9.5	10605.1	+4947.7
61	9.4	01441.8	+4909.8	150	8.9	03154.7	+4958.1	240	9.2	04730.7	+4958.7	330	8.0	10607.9	+4915.3
62	9.4	01445.0	+4944.6	151	9.2	03213.3	+4919.1	241	8.8	04748.3	+4902.1	331	9.4	10619.7	+4927.5
63	9.2	01450.2	+4944.5	152	9.5	03223.0	+4903.8	242	9.5	04754.9	+4949.7	332	8.6	10649.6	+4914.8
64	9.5	01542.3	+4915.2	153	9.4	03224.4	+4948.8	243	9.0	04755.0	+4941.0	333	9.3	10700.9	+4940.9
65	9.1	01543.9	+4921.6	154	9.1	03225.2	+4916.3	244	9.2	04819.4	+4901.4	334	9.5	10724.4	+4949.5
66	9.5	01603.3	+4941.5	155	9.4	03246.5	+4934.4	245	9.5	04826.4	+4936.2	335	7.4	10729.0	+4907.4
67	8.5	01607.4	+4925.8	156	9.4	03256.2	+4904.3	246	9.2	04878.7	+4937.1	336	8.7	10731.2	+4917.4
68	8.8	01642.2	+4945.3	157	9.3	03306.6	+4910.1	247	9.4	04879.1	+4940.5	337	9.0	10735.9	+4931.3
69	9.3	01645.5	+4911.9	158	9.3	03307.2	+4950.2	248	9.4	04857.5	+4910.0	338	9.3	10819.8	+4956.4
70	9.4	01652.8	+4904.2	159	9.0	03313.0	+4913.2	249	9.5	04910.6	+4932.8	339	9.3	10822.4	+4910.5
71	8.8	01712.0	+4930.5	160	9.3	03316.1	+4923.8	250	8.8	04920.7	+4912.3	340	8.7	10822.4	+4907.2
72	8.4	01717.4	+4955.5	161	9.6	03339.6	+4902.0	251	9.3	04937.8	+4957.0	341	9.5	10842.8	+4943.8
73	8.6	01723.6	+4917.8	162	9.2	03347.4	+4900.6	252	9.0	04943.5	+4907.4	342	9.4	10843.3	+4912.5
74	9.5	01723.9	+4923.1	163	9.2	03349.1	+4934.5	253	8.8	05001.9	+4913.3	343	9.4	10940.9	+4906.2
75	9.5	01724.0	+4908.0	164	9.1	03400.5	+4942.8	254	9.5	05014.3	+4910.7	344	9.5	10956.0	+4955.3
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*49 1457 5h57m

+49 1458 5h58m

+49 1815 9h02m

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+49 2175 12h51m

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2176	9.3	125136.0	+4957.9	2266	9.5	135858.4	+4902.5	2356	9.0	150258.2	+4937.2	2446	8.5	155606.4	+4931.1
2177	8.8	125215.7	+4923.0	2267	9.5	135939.0	+4953.4	2357	9.4	150331.7	+4922.2	2447	9.5	155613.5	+4924.9
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2199	9.3	130638.6	+4913.0	2289	9.5	141376.4	+4952.5	2379	9.4	151510.6	+4910.8	2469	7.0	160607.7	+4900.2
2200	8.8	130743.9	+4958.8	2290	6.5	141370.4	+4915.7	2380	9.3	151544.2	+4938.3	2470	8.0	160621.8	+4924.5
2201	9.2	130755.4	+4903.6	2291	8.0	141436.7	+4957.5	2381	9.3	151619.3	+4906.0	2471	7.8	160651.9	+4926.5
2202	9.2	130804.4	+4938.4	2292	9.5	141440.5	+4922.6	2382	9.2	151836.9	+4909.2	2472	8.5	160700.3	+4948.5
2203	8.8	130836.0	+4958.8	2293	9.2	141446.4	+4900.8	2383	8.4	151932.6	+4916.4	2473	9.4	160726.2	+4918.9
2204	9.0	130857.4	+4924.5	2294	7.3	141454.6	+4910.7	2384	9.5	152046.8	+4905.6	2474	9.5	160729.8	+4959.4
2205	9.0	130936.4	+4936.9	2295	9.5	141513.5	+4921.2	2385	9.4	152149.7	+4942.7	2475	9.3	160734.8	+4912.4
2206	9.4	130955.5	+4915.0	2296	9.0	141647.0	+4922.7	2386	9.5	152224.6	+4900.7	2476	8.4	160803.3	+4949.9
2207	8.5	131211.9	+4907.1	2297	9.5	141647.9	+4958.6	2387	9.5	152302.1	+4921.3	2477	9.5	160903.4	+4927.1
2208	8.5	131212.1	+4940.2	2298	8.9	141656.0	+4911.2	2388	9.0	152369.7	+4959.7	2478	9.5	160916.2	+4901.1
2209	9.1	131342.8	+4902.9	2299	8.5	141921.4	+4955.5	2389	9.0	152408.4	+4959.7	2479	9.3	160926.9	+4938.0
2210	9.5	131709.5	+4906.5	2300	9.5	141952.3	+4953.4	2390	9.1	152430.3	+4950.7	2480	9.4	160953.3	+4949.5
2211	9.3	131813.4	+4902.3	2301	9.4	142228.5	+4918.7	2391	9.5	152506.7	+4912.8	2481	9.4	161001.7	+4935.1
2212	9.0	131813.6	+4937.9	2302	8.9	142256.0	+4953.5	2392	8.8	152511.6	+4905.0	2482	9.4	161053.8	+4909.6
2213	9.2	132048.4	+4921.5	2303	9.5	142345.5	+4935.6	2393	9.1	152522.8	+4958.7	2483	9.5	161111.5	+4931.6
2214	9.2	132102.1	+4949.9	2304	9.0	142426.0	+4911.6	2394	9.0	152524.6	+4936.3	2484	9.5	161129.8	+4959.4
2215	9.4	132118.9	+4929.5	2305	7.8	142433.4	+4932.1	2395	9.3	152526.5	+4911.4	2485	9.5	161206.2	+4909.5
2216	9.3	132143.4	+4926.0	2306	9.5	142521.0	+4942.5	2396	9.3	152528.4	+4907.4	2486	9.5	161207.5	+4946.5
2217	9.5	132230.3	+4902.4	2307	9.0	142541.9	+4954.0	2397	9.5	152553.9	+4902.5	2487	9.5	161208.7	+4902.8
2218	9.3	132313.8	+4931.6	2308	7.0	142723.0	+4949.5	2398	8.8	152646.7	+4919.4	2488	9.1	161242.4	+4951.4
2219	9.5	132319.3	+4937.6	2309	9.4	142939.6	+4932.1	2399	9.0	152655.6	+4925.8	2489	8.9	161341.8	+4939.5
2220	9.5	132322.2	+4908.9	2310	9.5	143204.5	+4936.7	2400	9.1	152737.1	+4906.0	2490	8.6	161503.4	+4935.0
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+49 2894 18h50m

2895	9.3	185101.0	+4930.6	2892	9.5	191622.6	+4928.2	3072	9.1	193416.7	+4945.4	3161	9.3	195734.1	+4906.4
2896	9.5	185105.9	+4903.1	2893	9.5	191635.4	+4924.8	3073	9.0	193443.4	+4952.5	3162	9.0	195759.0	+4932.0
2897	9.5	185204.1	+4911.8	2894	7.8	191644.1	+4911.8	3074	9.0	193502.8	+4910.0	3163	8.7	195801.7	+4936.5
2898	8.3	185214.5	+4937.6	2895	9.3	191655.1	+4927.5	3075	9.4	193511.0	+4959.8	3164	9.1	195807.4	+4921.2
2899	8.8	185237.6	+4908.1	2896	9.0	191702.2	+4911.4	3076	9.3	193512.5	+4912.6	3165	9.1	195816.1	+4926.7
2900	9.5	185243.2	+4934.6	2897	9.3	191802.8	+4922.4	3077	9.3	193549.6	+4940.4	3166	9.4	195816.2	+4905.7
2901	9.5	185321.5	+4941.1	2898	9.2	191810.3	+4916.7	3078	9.2	193601.9	+4953.7	3167	9.2	195818.7	+4911.4
2902	9.5	185331.2	+4922.2	2899	9.1	191818.6	+4923.0	3079	9.5	193621.6	+4957.0	3168	9.5	195849.5	+4936.2
2903	9.5	185345.5	+4936.7	2900	9.5	191916.2	+4927.5	3080	9.4	193717.3	+4929.6	3169	9.5	195902.8	+4930.4
2904	9.5	185349.0	+4928.2	2901	9.0	191925.0	+4929.5	3081	9.2	193729.2	+4943.0	3170	7.0	195906.8	+4953.8
2905	9.4	185415.3	+4905.1	2902	9.2	191926.4	+4910.3	3082	7.7	193735.7	+4921.3	3171	9.4	195910.2	+4919.7
2906	7.8	185515.2	+4908.1	2903	9.4	191927.6	+4919.5	3083	8.2	193752.5	+4939.0	3172	9.5	195920.6	+4900.6
2907	8.3	185521.8	+4919.2	2904	6.6	191936.5	+4959.5	3084	8.8	193802.7	+4901.8	3173	9.5	195921.4	+4942.9
2908	8.4	185527.2	+4923.2	2905	9.5	192003.9	+4949.7	3085	9.3	193828.4	+4926.5	3174	9.5	195943.6	+4933.6
2909	9.5	185620.3	+4948.1	2906	9.5	192015.6	+4934.4	3086	8.8	193839.8	+4937.9	3175	9.4	195945.0	+4928.4
2910	9.4	185624.4	+4923.4	2907	8.9	192026.7	+4958.5	3087	5.5	193842.6	+4946.1	3176	9.4	195946.3	+4931.0
2911	9.4	185624.9	+4926.0	2908	9.5	192036.4	+4904.8	3088	9.4	193902.4	+4907.9	3177	9.4	195953.2	+4911.3
2912	9.5	185651.7	+4915.2	2909	7.5	192044.2	+4957.0	3089	9.4	193924.8	+4927.5	3178	8.4	196000.3	+4928.0
2913	9.5	185726.2	+4925.7	3000	9.5	192111.3	+4901.7	3090	9.5	193930.5	+4938.2	3179	8.9	196006.2	+4940.6
2914	9.5	185730.6	+4907.7	3001	9.5	192132.5	+4902.5	3091	9.1	193939.4	+4906.1	3180	9.1	196028.6	+4914.1
2915	8.5	185751.4	+4930.6	3002	8.8	192134.6	+4937.3	3092	7.5	193957.0	+4926.1	3181	9.3	196046.8	+4938.7
2916	9.4	185803.2	+4935.6	3003	7.9	192140.0	+4947.0	3093	9.5	194016.7	+4908.2	3182	9.5	196048.9	+4941.8
2917	9.1	185815.2	+4924.0	3004	9.5	192152.8	+4913.2	3094	9.1	194050.3	+4945.8	3183	9.5	196120.0	+4935.7
2918	8.9	185817.3	+4925.8	3005	9.1	192153.7	+4958.5	3095	9.3	194106.6	+4953.2	3184	9.3	196133.6	+4923.7
2919	9.5	185833.2	+4936.1	3006	9.5	192154.9	+4946.0	3096	9.2	194133.0	+4939.2	3185	9.2	196134.5	+4914.7
2920	9.5	185846.9	+4910.7	3007	9.2	192203.4	+4909.2	3097	9.5	194139.6	+4944.8	3186	9.3	196134.5	+4952.4
2921	9.1	185904.2	+4916.2	3008	9.5	192223.2	+4932.1	3098	9.2	194144.3	+4938.3	3187	9.2	196201.4	+4950.9
2922	9.4	185904.5	+4912.7	3009	7.9	192224.1	+4908.7	3099	9.5	194156.0	+4943.1	3188	9.5	196223.5	+4920.0
2923	8.8	185909.4	+4923.7	3010	9.2	192244.5	+4909.0	3100	9.5	194210.2	+4922.7	3189	9.0	196226.9	+4932.6
2924	8.8	185917.9	+4928.2	3011	8.6	192250.9	+4951.6	3101	6.5	194233.9	+4939.0	3190	9.5	196237.8	+4936.7
2925	9.2	185959.9	+4921.7	3012	7.3	192256.4	+4951.1	3102	9.5	194234.0	+4921.5	3191	9.1	196237.9	+4939.8
2926	7.7	190000.8	+4925.2	3013	9.5	192310.0	+4949.3	3103	9.0	194238.5	+4953.7	3192	9.2	196255.9	+4932.8
2927	9.0	190005.6	+4912.5	3014	8.8	192311.6	+4956.3	3104	8.5	194244.2	+4959.7	3193	9.5	196255.9	+4915.6
2928	9.3	190045.8	+4953.0	3015	9.2	192324.1	+4958.5	3105	8.7	194258.4	+4950.9	3194	9.0	196256.5	+4946.3
2929	6.3	190125.8	+4942.6	3016	9.5	192339.2	+4947.8	3106	9.3	194316.3	+4950.2	3195	6.7	196302.4	+4948.6
2930	9.0	190133.3	+4916.2	3017	9.0	192354.5	+4913.3	3107	9.5	194324.0	+4903.1	3196	9.3	196303.6	+4913.6
2931	9.1	190146.3	+4943.4	3018	9.0	192401.0	+4928.2	3108	9.5	194341.9	+4943.7	3197	9.4	196310.9	+4913.8
2932	7.8	190151.2	+4906.5	3019	9.5	192434.3	+4934.5	3109	9.0	194352.5	+4917.6	3198	9.0	196331.0	+4949.4
2933	8.8	190159.5	+4931.1	3020	9.5	192518.8	+4939.8	3110	9.5	194408.8	+4906.8	3199	9.3	196331.9	+4933.3
2934	9.5	190305.7	+4953.1	3021	9.5	192530.6	+4933.9	3111	9.5	194412.6	+4917.6	3200	9.3	196335.8	+4917.6
2935	9.1	190311.5	+4918.7	3022	9.5	192533.1	+4902.8	3112	9.5	194452.0	+4940.5	3201	9.2	196336.7	+4902.9
2936	9.3	190312.9	+4933.5	3023	8.0	192559.7	+4912.5	3113	9.0	194507.8	+4932.4	3202	8.7	196336.5	+4911.1
2937	7.8	190323.3	+4923.3	3024	9.2	192610.1	+4932.6	3114	9.5	194516.9	+4903.6	3203	9.3	196354.6	+4924.7
2938	9.2	190345.2	+4948.6	3025	9.5	192619.4	+4913.8	3115	9.5	194550.1	+4939.3	3204	9.1	196412.4	+4909.5
2939	9.0	190347.8	+4936.8	3026	9.5	192623.2	+4936.5	3116	9.5	194557.3	+4929.3	3205	9.5	196415.7	+4927.5
2940	7.8	190358.7	+4915.2	3027	9.5	192628.4	+4913.1	3117	9.4	194615.4	+4925.5	3206	9.5	196436.5	+4943.0
2941	9.3	190426.2	+4924.7	3028	9.5	192629.7	+4955.6	3118	9.5	194618.6	+4952.1	3207	8.5	196443.7	+4926.4
2942	9.3	190443.3	+4934.1	3029	9.5	192631.3	+4954.4	3119	9.1	194620.7	+4941.9	3208	9.5	196455.6	+4932.7
2943	9.5	190505.5	+4923.2	3030	9.2	192645.9	+4902.6	3120	9.0	194623.7	+4952.5	3209	9.5	196525.6	+4906.4
2944	9.4	190535.9	+4932.4	3031	8.8	192648.1	+4906.6	3121	9.1	194632.4	+4902.8	3210	9.5	196551.8	+4948.4
2945	9.1	190536.5	+4950.5	3032	8.8	192658.2	+4940.8	3122	9.2	194638.6	+4926.7	3211	9.2	196601.3	+4948.6
2946	9.2	190542.5	+4943.6	3033	7.8	192710.6	+4953.4	3123	7.8	194648.5	+4959.1	3212	7.3	196610.0	+4923.3
2947	8.0	190610.8	+4927.1	3034	6.0	192729.1	+4959.6	3124	9.2	194649.8	+4946.0	3213	9.5	196643.6	+4945.1
2948	9.5	190624.4	+4935.1	3035	9.5	192740.0	+4903.5	3125	7.3	194651.8	+4920.0	3214	9.5	196650.3	+4906.9
2949	9.3	190628.5	+4930.6	3036	9.2	192755.2	+4940.9	3126	9.4	194718.6	+4913.2	3215	9.0	196651.4	+4901.3
2950	9.4	190658.8	+4935.1	3037	9.3	192758.5	+4930.1	3127	9.5	194816.9	+4907.7	3216	8.5	196652.2	+4919.7
2951	9.3	190714.2	+4904.3	3038	8.3	192811.2	+4951.5	3128	9.5	194816.9	+4938.8	3217	9.3	196654.1	+4949.5
2952	8.3	190722.5	+4950.8	3039	9.2	192823.4	+4908.8	3129	8.8	194827.2	+4911.5	3218	9.1	196729.5	+4916.8
2953	9.1	190740.0	+4936.2	3040	9.5	192836.5	+4949.0	3130	8.8	194829.6	+4906.4	3219	9.4	196748.1	+4907.1
2954	9.3	190740.2	+4932.9	3041	9.4	192851.3	+4922.6	3131	9.2	194925.4	+4916.2	3220	9.4	196754.4	+4919.2
2955	9.3	190741.4	+4932.1	3042	9.4	192912.3	+4933.0	3132	8.1	194938.4	+4912.9	3221	9.5	196800.2	+4900.5
2956	8.9	190747.1	+4931.8	3043	9.5	192921.7	+4905.9	3133	9.5	194959.6	+4938.7	3222	8.0	196814.6	+4949.4
2957	9.2	190754.2	+4913.4	3044	9.1	192945.7	+4943.8	3134	9.1	195021.4	+4912.0	3223	9.1	196815.0	+4953.3
2958	9.5	190756.0	+4916.9	3045	9.3	192946.7	+4944.6	3135	9.5	195041.0	+4950.8	3224	9.5	196831.5	+4911.8
2959	6.2	190819.6	+4935.2	3046	9.4	192947.2	+4952.0	3136	9.1	195045.0	+4955.0	3225	8.7	196832.4	+4901.1
2959a	6.4	190820.3	+4935.3	3047	9.4	192952.2	+4914.2	3137	9.5	195100.2	+4929.8	3226	9.3	196843.8	+4958.5
2959b	30.0	190826.9	+4924.2	3048	9.4	192957.5	+4911.2	3138	8.9	195134.8	+4951.9	3227	8.0	196847.5	+4945.1
2960	9.5	190843.3	+4908.8	3049	9.1	193021.0	+4917.6	3139	9.5	195140.7	+4947.0	3228	9.4	196857.8	+4901.6
2961	8.8	190855.7	+4930.2	3050	9.4	193043.2	+4939.3	3140	9.4	195145.2	+4947.0	3229	9.2	196901.3	+4921.4
2962	9.3	190857.8	+4915.2	3051	9.0	193045.8	+4958.9	3141	9.4	195212.9	+4913.8	3230	9.5	196902.1	+4907.3
2963	9.5	190918.7	+4953.5	3052	9.5	193100.0	+4908.4	3142	8.3	195259.2	+4915.9	3231	9.3	196920.7	+4916.5
2964	9.5	190938.7	+4921.6	3053	9.5	193101.5	+4936.0	3143	9.0	195317.2	+4949.7	3232	9.5	196920.0	+4911.4
2965	8.2														

+49 3251 20h14m

+49 3606 21h39m

3251 8.3 201440.5 +4910.2	3341 9.2 203419.6 +4952.0	3431 8.7 205448.0 +4938.8	3520 9.4 212009.1 +4911.7
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3261 9.2 201659.7 +4912.4	3351 9.4 203735.0 +4959.9	3441 9.1 205730.5 +4902.0	3530 8.5 212322.8 +4956.1
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3269 9.5 201850.4 +4942.4	3359 9.5 203859.5 +4907.9	3449 9.5 205912.2 +4908.1	3538 9.5 212533.1 +4956.5
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+49 3966 22h46m

+49 3967 22h46m

+49 4325 23h57m

3967	9.0	224653.1	+4922.9	4057	9.0	230315.8	+4946.4	4147	9.0	232539.5	+4904.2	4237	7.8	234134.7	+4956.7
3968	9.5	224656.2	+4914.8	4058	9.2	230318.5	+4939.5	4148	8.5	232548.5	+4929.7	4238	9.4	234231.3	+4936.1
3969	8.3	224657.0	+4903.6	4059	7.2	230332.9	+4912.4	4149	8.0	232606.9	+4933.3	4239	9.5	234236.4	+4906.7
3970	9.5	224658.2	+4922.9	4060	9.5	230355.0	+4933.4	4150	9.1	232606.9	+4934.5	4240	8.2	234253.7	+4910.3
3971	9.5	224700.2	+4914.5	4061	9.3	230355.0	+4917.7	4151	9.2	232617.3	+4921.9	4241	9.4	234303.9	+4901.7
3972	9.5	224733.0	+4943.3	4062	9.5	230358.2	+4943.5	4152	9.3	232639.5	+4927.6	4242	9.4	234308.1	+4914.7
3973	9.2	224741.7	+4949.0	4063	9.5	230407.4	+4912.4	4153	9.4	232640.7	+4939.6	4243	9.0	234309.4	+4928.4
3974	9.5	224754.0	+4954.1	4064	9.5	230412.8	+4933.1	4154	9.0	232647.4	+4910.3	4244	9.5	234313.5	+4955.8
3975	9.1	224757.8	+4949.1	4065	6.6	230449.5	+4959.0	4155	9.4	232719.0	+4918.7	4245	9.2	234316.2	+4952.3
3976	9.5	224802.9	+4954.2	4066	9.5	230509.0	+4953.8	4156	8.9	232724.8	+4924.4	4246	9.4	234329.7	+4933.2
3977	9.1	224811.5	+4931.6	4067	9.5	230533.0	+4929.5	4157	9.4	232729.0	+4949.1	4247	9.4	234331.4	+4905.8
3978	9.4	224813.7	+4957.6	4068	9.5	230654.7	+4910.1	4158	9.4	232730.1	+4951.7	4248	9.5	234334.7	+4952.3
3979	9.5	224823.5	+4909.3	4069	9.5	230726.5	+4922.6	4159	9.4	232747.2	+4932.4	4249	9.5	234342.8	+4933.8
3980	9.5	224835.7	+4949.3	4070	9.0	230730.6	+4912.4	4160	9.4	232749.3	+4930.0	4250	9.4	234345.6	+4914.2
3981	9.2	224836.3	+4927.8	4071	6.5	230737.9	+4949.9	4161	9.3	232750.4	+4937.3	4251	9.1	234352.0	+4922.8
3982	8.3	224842.0	+4917.2	4072	9.5	230850.8	+4946.8	4162	9.4	232755.0	+4951.8	4252	9.5	234408.6	+4926.0
3983	8.5	224853.3	+4912.3	4073	8.0	230904.0	+4956.9	4163	9.5	232817.5	+4928.5	4253	9.4	234435.2	+4917.4
3984	9.2	224856.8	+4935.2	4074	9.5	230915.9	+4926.9	4164	9.4	232818.2	+4912.7	4254	7.5	234453.5	+4918.5
3985	8.8	224924.9	+4951.3	4075	8.2	230919.1	+4939.8	4165	7.2	232821.7	+4930.6	4255	9.4	234454.1	+4905.2
3986	9.2	224928.3	+4952.5	4076	8.8	230940.2	+4914.3	4166	9.5	232837.2	+4949.4	4256	9.2	234520.0	+4934.7
3987	9.1	224928.9	+4924.9	4077	7.5	230941.3	+4941.9	4167	9.5	232845.3	+4900.7	4257	9.3	234521.4	+4929.0
3988	9.3	224942.4	+4958.2	4078	7.1	230947.7	+4952.5	4168	9.0	232851.1	+4930.2	4258	9.0	234556.8	+4959.2
3989	9.0	224947.8	+4954.3	4079	9.4	231000.8	+4952.0	4169	9.4	232903.0	+4938.4	4259	9.5	234601.9	+4948.8
3990	8.7	224953.0	+4957.2	4080	9.5	231001.0	+4928.7	4170	9.1	232914.2	+4907.0	4260	9.5	234610.3	+4904.7
3991	8.2	225000.3	+4945.8	4081	9.5	231029.5	+4925.2	4171	9.4	232938.9	+4940.4	4261	9.5	234613.6	+4936.7
3992	9.5	225018.8	+4917.2	4082	9.5	231030.3	+4910.7	4172	9.2	233006.8	+4913.0	4262	8.8	234637.5	+4918.1
3993	9.5	225039.6	+4913.7	4083	9.5	231030.9	+4950.7	4173	9.5	233017.5	+4931.7	4263	9.1	234640.8	+4902.6
3994	9.4	225054.2	+4912.3	4084	9.1	231121.6	+4904.2	4174	9.2	233045.1	+4910.7	4264	9.5	234649.5	+4938.8
3995	8.5	225058.9	+4957.0	4085	9.5	231201.1	+4907.6	4175	8.9	233048.8	+4955.2	4265	9.4	234751.4	+4905.5
3996	9.5	225128.3	+4950.4	4086	9.5	231201.7	+4933.4	4176	9.3	233103.5	+4900.0	4266	9.4	234752.8	+4921.2
3997	9.5	225130.0	+4920.7	4087	9.4	231258.2	+4919.8	4177	9.5	233117.9	+4957.0	4267	8.5	234757.3	+4903.5
3998	9.5	225132.0	+4945.7	4088	9.5	231306.8	+4952.3	4178	9.5	233119.5	+4923.6	4268	9.3	234801.8	+4949.6
3999	9.5	225136.7	+4907.3	4089	9.3	231310.0	+4930.5	4179	9.4	233130.8	+4946.2	4269	9.4	234801.9	+4952.9
4000	9.5	225154.8	+4940.8	4090	9.4	231326.4	+4926.3	4180	5.7	233207.6	+4940.1	4270	8.0	234804.2	+4926.2
4001	9.4	225207.0	+4958.1	4091	9.0	231331.4	+4902.7	4181	9.4	233210.5	+4944.5	4271	9.5	234806.1	+4905.7
4002	9.4	225207.3	+4950.0	4092	9.0	231407.5	+4919.2	4182	9.5	233255.0	+4903.9	4272	7.7	234813.3	+4931.2
4003	7.9	225213.7	+4955.5	4093	9.5	231439.0	+4938.0	4183	9.0	233309.5	+4902.0	4273	9.5	234818.1	+4904.9
4004	8.5	225215.0	+4904.8	4094	9.5	231446.5	+4929.5	4184	9.0	233312.8	+4958.5	4274	9.5	234819.6	+4928.6
4005	9.4	225216.2	+4932.3	4095	9.5	231447.9	+4954.7	4185	9.1	233323.0	+4906.7	4275	8.9	234835.9	+4905.5
4006	9.2	225221.3	+4956.1	4096	9.5	231451.5	+4928.8	4186	9.0	233339.5	+4938.7	4276	9.0	234836.0	+4943.6
4007	9.4	225227.2	+4938.7	4097	9.1	231458.2	+4929.2	4187	9.4	233339.7	+4941.0	4277	9.5	234842.3	+4956.2
4008	9.4	225249.8	+4904.1	4098	9.4	231521.5	+4944.9	4188	9.4	233404.5	+4917.3	4278	8.7	234843.5	+4932.8
4009	9.5	225254.2	+4949.8	4099	9.5	231524.6	+4902.0	4189	9.3	233413.4	+4905.8	4279	9.5	234845.7	+4959.8
4010	9.4	225303.5	+4958.9	4100	9.5	231546.2	+4956.1	4190	9.5	233436.1	+4906.7	4280	9.5	234912.3	+4903.9
4011	9.3	225322.0	+4936.3	4101	9.5	231552.5	+4935.2	4191	9.5	233445.4	+4924.5	4281	9.5	234926.9	+4949.6
4012	9.5	225339.8	+4932.8	4102	8.3	231552.5	+4925.6	4192	9.5	233509.7	+4941.3	4282	9.4	234927.7	+4916.2
4013	9.5	225358.2	+4920.0	4103	9.5	231607.6	+4919.4	4193	9.5	233517.6	+4905.5	4283	9.4	234928.9	+4909.2
4014	9.5	225400.7	+4941.0	4104	9.1	231618.1	+4957.6	4194	9.3	233519.0	+4907.1	4284	9.5	234939.0	+4931.3
4015	7.7	225416.1	+4910.9	4105	9.5	231626.2	+4905.5	4195	9.3	233519.5	+4907.8	4285	9.5	234946.2	+4935.7
4016	9.5	225417.3	+4911.9	4106	9.5	231655.5	+4943.0	4196	8.7	233536.9	+4946.8	4286	9.5	234950.8	+4904.1
4017	9.3	225431.7	+4949.1	4107	9.5	231700.0	+4912.7	4197	9.5	233537.3	+4956.0	4287	8.9	235015.6	+4938.5
4018	9.5	225435.9	+4945.3	4108	8.0	231728.2	+4914.5	4198	9.4	233541.0	+4933.5	4288	8.4	235016.5	+4931.5
4019	9.5	225537.4	+4925.6	4109	9.5	231730.7	+4929.9	4199	9.5	233616.4	+4959.1	4289	8.7	235031.4	+4944.0
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4021	9.1	225623.6	+4937.9	4111	9.5	231736.5	+4921.9	4201	9.4	233632.3	+4931.9	4291	6.7	235047.6	+4937.9
4022	9.3	225642.5	+4903.9	4112	9.2	231755.0	+4915.9	4202	9.5	233643.1	+4955.8	4292	9.4	235056.7	+4913.9
4023	8.7	225643.5	+4910.0	4113	9.2	231756.8	+4957.5	4203	9.5	233649.2	+4946.3	4293	9.4	235108.6	+4945.7
4024	9.4	225657.8	+4932.4	4114	9.2	231800.6	+4937.7	4204	9.0	233652.2	+4949.7	4294	9.0	235115.7	+4953.6
4025	9.2	225716.6	+4936.3	4115	9.5	231841.5	+4952.5	4205	9.4	233708.7	+4933.7	4295	9.5	235139.1	+4954.1
4026	8.7	225724.0	+4924.8	4116	9.5	231845.0	+4941.5	4206	9.1	233710.0	+4939.7	4296	9.4	235147.0	+4940.4
4027	9.3	225736.0	+4919.0	4117	9.4	231902.8	+4904.1	4207	9.3	233726.2	+4913.6	4297	7.2	235154.6	+4943.2
4028	4.8	225741.5	+4916.0	4118	9.5	231918.9	+4936.3	4208	9.2	233748.8	+4917.9	4298	7.7	235201.7	+4941.9
4029	9.1	225752.8	+4958.2	4119	9.5	231945.5	+4905.3	4209	7.3	233749.3	+4946.7	4299	9.5	235215.5	+4913.0
4030	9.5	225812.4	+4902.6	4120	9.1	231955.2	+4956.1	4210	8.9	233757.2	+4958.3	4300	9.4	235215.6	+4904.1
4031	8.9	225824.1	+4924.1	4121	8.7	232000.1	+4920.3	4211	9.2	233816.5	+4946.9	4301	9.3	235221.4	+4918.0
4032D	9.5	225827.3	+4918.8	4122	9.0	232004.4	+4956.0	4212	9.2	233819.0	+4941.8	4302	9.5	235249.5	+4953.5
4033	9.5	225842.5	+4942.5	4123	8.9	232012.2	+4941.4	4213	7.9	233847.2	+4921.4	4303	8.5	235250.2	+4958.7
4034	9.5	225854.7	+4942.7	4124	9.5	232030.5	+4927.9	4214	9.5	233854.5	+4904.2	4304	9.5	235251.5	+4956.5
4035	9.5	225903.6	+4929.9	4125	9.0	232037.3	+4914.3	4215	7.0	233856.4	+4951.5	4305	9.0	235311.7	+4900.2
4036	8.9	225913.7	+4932.8	4126	9.4	232038.7	+4950.9	4216	9.4	233859.5	+4920.8	4306	9.5	235332.1	+4908.3
4037	9.4	225917.8	+4907.0	4127	7.7	232049.5	+4933.7	4217	9.4	233903.4	+4910.3	4307	9.0	235332.8	+4953.9
4038	8.9	225918.3	+4919.9	4128	9.2	232055.5	+4901.9	4218	9.0	233904.1	+4948.5	4308	9.0	235349.2	+4934.0
4039	9.5	225927.0	+4938.5	4129	8.8	232103.9	+4923.5	4219	7.7	233904.6	+4958.8	4309	6.5	235357.5	+4910.3

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+48 346 1h01m

4326	9.1	235706.5	+4908.7	77	9.5	01219.5	+4800.7	167	9.5	02616.1	+4807.8	257	7.5	04339.3	+4811.6
4327	9.2	235727.8	+4949.5	78	9.5	01222.3	+4818.2	168	8.9	02627.4	+4831.2	258	9.2	04347.2	+4806.2
4328	9.4	235737.9	+4907.7	79	6.4	01225.0	+4803.4	169	9.0	02633.3	+4831.0	259	8.7	04350.0	+4806.6
4329	7.9	235802.2	+4942.8	80	8.2	01232.0	+4857.7	170	9.3	02635.0	+4856.5	260	9.5	04415.7	+4857.5
4330	9.3	235809.4	+4904.7	81	9.5	01244.7	+4832.1	171	9.4	02643.0	+4806.8	261	9.5	04423.8	+4840.0
4331	9.4	235815.3	+4902.6	82	9.3	01245.0	+4803.6	172	9.5	02703.7	+4802.3	262	9.5	04428.1	+4838.2
4332	9.2	235828.1	+4929.3	83	8.3	01249.0	+4822.9	173	9.5	02714.2	+4813.8	263	9.0	04433.6	+4819.5
4333	9.4	235852.5	+4900.7	84	6.6	01249.0	+4810.8	174	9.5	02729.1	+4844.2	264	9.3	04433.7	+4828.8
4334	9.5	235857.2	+4954.6	85	9.3	01249.5	+4826.1	175	8.9	02746.7	+4856.3	265	9.5	04434.5	+4849.8
4335	9.5	235905.4	+4943.9	86	9.5	01306.5	+4826.8	176	9.5	02749.4	+4840.0	266	8.8	04440.7	+4855.3
4336	9.5	235908.8	+4900.2	87	9.3	01323.1	+4856.6	177	6.7	02753.4	+4813.5	267	8.5	04446.1	+4839.3
4337	9.5	235910.8	+4944.1	88	8.7	01329.9	+4801.5	178	8.5	02817.2	+4856.9	268	9.5	04447.1	+4847.6
4338	8.9	235934.7	+4916.2	89	9.5	01348.0	+4805.9	179	9.4	02823.6	+4821.4	269	9.5	04448.7	+4835.4
4339	8.9	235939.8	+4905.7	90	8.6	01354.0	+4807.2	180	9.5	02840.1	+4823.8	270	9.5	04454.7	+4829.3
1	9.0	00000.1	+4853.1	91	9.5	01407.2	+4855.3	181	9.5	02844.3	+4836.1	271	9.5	04501.1	+4844.3
2	9.1	00011.4	+4850.8	92	9.5	01411.9	+4820.6	182	8.0	02846.7	+4801.6	272	7.8	04505.1	+4852.2
3	9.3	00016.4	+4800.6	93	9.5	01417.2	+4803.3	183	8.2	02848.6	+4809.3	273	9.3	04505.3	+4841.8
4	9.5	00024.2	+4859.0	94	9.5	01431.2	+4821.5	184	9.0	02915.9	+4830.7	274	9.5	04514.0	+4846.9
5	9.0	00027.3	+4854.7	95	9.0	01431.3	+4858.2	185	9.1	02948.9	+4826.2	275	9.4	04524.7	+4844.1
6	9.4	00034.7	+4843.3	96	8.9	01501.5	+4801.1	186	9.4	02958.0	+4808.3	276	9.5	04526.6	+4848.6
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22	9.2	00245.2	+4831.6	112	8.2	01653.1	+4842.9	202	9.5	03215.4	+4824.8	292	9.5	04687.8	+4818.9
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+48 1424 6h34m

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1461	9.5	64852.0	+4817.7	1550	9.0	72433.1	+4854.1	1640	9.4	81557.0	+4825.1	1730	9.5	86043.7	+4847.4
1462	9.5	64929.1	+4809.9	1551	8.8	72455.9	+4842.4	1641	9.5	81601.6	+4801.5	1731	9.5	86049.0	+4852.8
1463	9.4	64933.1	+4845.2	1552	9.5	72453.3	+4802.7	1642	8.2	81622.0	+4857.1	1732	9.5	86049.0	+4852.8
1464	8.7	64942.5	+4839.9	1553	8.9	72627.3	+4821.7	1643	8.8	81728.0	+4833.4	1733	8.8	86049.0	+4852.8
1465	8.4	64946.5	+4822.1	1554	9.5	72634.2	+4843.0	1644	9.1	81759.0	+4820.1	1734	9.5	86049.0	+4852.8
1466	9.0	64951.9	+4808.4	1555	7.4	72733.7	+4805.1	1645	8.7	81803.1	+4813.6	1735	8.7	86049.0	+4852.8
1467	9.5	64959.0	+4839.3	1556	9.5	72735.6	+4857.5	1646	8.5	81813.3	+4810.7	1736	9.5	86049.0	+4852.8
1468	9.5	65015.9	+4853.2	1557	8.7	72804.3	+4813.9	1647	9.5	81815.1	+4839.0	1737	9.1	86049.0	+4852.8
1469	8.2	65032.7	+4835.5	1558	9.3	72836.5	+4837.0	1648	9.4	81817.3	+4840.3	1738	9.2	86049.0	+4852.8
1470	9.4	65106.9	+4838.8	1559	8.3	72847.8	+4818.2	1649	8.3	81829.9	+4831.8	1739	9.2	86049.0	+4852.8
1471	9.5	65238.4	+4837.0	1560	8.7	73019.9	+4846.9	1650	9.4	81915.0	+4838.7	1740	9.1	86049.0	+4852.8
1472	8.0	65239.1	+4806.4	1561	5.8	73030.5	+4827.7	1651	8.0	81952.7	+4848.5	1741	9.5	86049.0	+4852.8
1473	9.4	65251.9	+4841.8	1562	9.3	73149.3	+4827.6	1652	9.0	82039.6	+4828.9	1742	9.5	86049.0	+4852.8
1474	9.5	65403.0	+4850.6	1563	8.2	73155.1	+4851.1	1653	9.4	82051.0	+4805.0	1743	9.5	86049.0	+4852.8
1475	9.0	65445.9	+4839.4	1564	9.0	73243.8	+4846.4	1654	8.9	82053.6	+4813.8	1744	7.8	86049.0	+4852.8
1476	9.4	65603.4	+4815.2	1565	9.3	73300.4	+4801.2	1655	9.5	82100.1	+4836.3	1745	9.2	86049.0	+4852.8
1477	9.5	65643.8	+4815.7	1566	9.5	73302.2	+4832.1	1656	9.0	82115.0	+4823.3	1746	8.5	86049.0	+4852.8
1478	8.2	65645.4	+4800.0	1567	9.4	73408.2	+4817.0	1657	9.0	82142.5	+4851.9	1747	9.5	86049.0	+4852.8
1479	9.2	65648.5	+4855.7	1568	9.3	73413.3	+4834.0	1658	9.2	82146.5	+4806.9	1748	9.2	86049.0	+4852.8
1480	9.5	65717.4	+4806.9	1569	7.3	73421.2	+4844.6	1659	9.1	82153.8	+4843.4	1749	8.2	86049.0	+4852.8
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1484	8.0	70014.5	+4809.8	1573	9.3	73712.3	+4803.2	1663	9.4	82313.0	+4812.7	1753	9.5	86049.0	+4852.8
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2861	9.5	191117.2	+4828.4	2950	8.6	194254.6	+4833.9	3040	8.9	200320.5	+4803.1	3129	9.5	202237.8	+4840.7
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2879	9.5	191639.8	+4830.4	2968	9.5	194637.0	+4801.7	3058	9.5	200827.6	+4859.0	3147	9.1	202620.4	+4829.8
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2911	9.5	192808.9	+4826.5	3000	9.3	195633.5	+4837.0	3090	9.3	201504.5	+4838.7	3179	9.5	203238.9	+4830.3
2912	9.5	192844.4	+4832.9	3001	9.1	195639.0	+4858.6	3091	9.5	201512.3	+4815.6	3180	8.9	203259.5	+4801.2
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3584 9.5 215654.0 +4831.5	3674 9.4 221244.8 +4856.9	3764 9.0 222734.4 +4841.7	3853 9.3 224338.0 +4855.1
3585 9.5 215728.8 +4833.1	3675 9.3 221249.7 +4827.2	3765 9.2 222814.2 +4805.0	3854 9.4 224354.2 +4840.1
3586 8.3 215737.9 +4809.1	3676 9.5 221250.3 +4832.0	3766 7.6 222833.3 +4800.6	3855 9.5 224357.8 +4843.9
3587 9.4 215747.4 +4819.2	3677 9.5 221316.5 +4854.0	3767 9.5 222846.1 +4810.3	3856 9.5 224403.5 +4854.2
3588 7.0 215753.3 +4857.9	3678 9.5 221341.1 +4809.4	3768 9.0 222900.5 +4848.5	3857 9.3 224413.2 +4841.9
3589 9.2 215808.7 +4822.7	3679 9.5 221347.9 +4802.9	3769 8.4 222906.1 +4803.5	3858 9.5 224425.3 +4845.3
3590 9.2 215816.6 +4819.4	3680 9.5 221348.9 +4813.7	3770 9.4 222911.8 +4805.8	3859 9.2 224433.4 +4828.5
3591 9.3 215818.3 +4833.9	3681 9.3 221350.6 +4848.6	3771 9.4 222912.0 +4830.3	3860 8.4 224436.4 +4851.5
3592 9.4 215822.5 +4841.9	3682 9.3 221351.3 +4844.7	3772 9.4 222913.0 +4842.7	3861 9.5 224500.0 +4853.1
3593 9.5 215824.0 +4848.1	3683 8.8 221403.1 +4849.4	3773 9.5 222920.5 +4859.7	3862 9.1 224512.0 +4858.7
3594 9.4 215838.0 +4832.9	3684 9.3 221408.2 +4802.5	3774 9.2 222937.0 +4805.5	3863 9.5 224527.4 +4831.9
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3597 9.0 215901.0 +4813.8	3687 9.3 221436.1 +4822.8	3777 8.5 222956.2 +4857.0	3866 9.5 224557.1 +4848.5
3598 8.7 215901.3 +4840.4	3688 9.5 221443.5 +4801.2	3778 9.5 223008.9 +4828.2	3867 9.2 224558.6 +4810.4
3599 9.4 215917.7 +4859.7	3689 7.6 221449.2 +4828.7	3779 9.3 223035.7 +4856.2	3868 9.2 224610.0 +4851.2
3600 7.8 215940.3 +4836.6	3690 9.5 221502.7 +4805.1	3780 9.2 223043.9 +4817.5	3869 8.8 224613.1 +4810.8
3601 9.5 215948.9 +4820.8	3691 9.3 221513.1 +4846.8	3781 9.0 223103.4 +4824.2	3870 9.4 224616.0 +4844.5
3602 9.0 215948.9 +4856.8	3692 9.5 221546.0 +4845.7	3782 9.4 223108.9 +4812.2	3871 9.2 224628.6 +4824.7
3603 9.5 215956.6 +4815.5	3693 9.5 221559.9 +4837.7	3783 9.5 223116.0 +4814.4	3872 8.5 224653.7 +4834.6
3604 9.5 220003.5 +4815.5	3694 9.5 221602.0 +4818.0	3784 9.5 223125.4 +4842.9	3873 9.4 224708.9 +4830.0
3605 8.8 220007.9 +4831.5	3695 8.0 221605.3 +4807.2	3785 9.5 223129.8 +4802.7	3874 8.7 224716.8 +4800.1
3606 9.4 220017.5 +4832.0	3696 9.4 221622.6 +4822.4	3786 9.4 223138.6 +4832.8	3875 8.9 224738.5 +4829.3
3607 9.1 220044.4 +4847.8	3697 8.6 221625.7 +4806.4	3787 9.5 223141.5 +4827.0	3876 9.2 224800.2 +4828.2
3608 9.5 220056.1 +4835.8	3698 9.5 221651.4 +4814.9	3788 8.5 223147.8 +4804.6	3877 8.4 224811.2 +4851.6
3609 9.3 220105.2 +4809.0	3699 9.5 221657.9 +4850.7	3789 8.0 223222.4 +4847.4	3878 9.5 224838.5 +4821.6
3610 9.4 220107.1 +4800.5	3700 9.5 221702.9 +4855.4	3790 9.3 223231.1 +4855.4	3879 8.1 224842.0 +4841.8
3611 9.4 220111.2 +4803.8	3701 9.1 221703.0 +4817.5	3791 9.3 223231.4 +4808.1	3880 8.7 224845.7 +4800.7
3612 9.4 220114.2 +4807.1	3702 9.4 221708.0 +4816.0	3792 9.1 223247.8 +4838.8	3881 9.1 224845.7 +4800.7
3613 8.5 220115.3 +4833.7	3703 8.9 221725.8 +4857.2	3793 8.5 223249.5 +4825.2	3882 9.5 224906.8 +4833.6
3614 9.4 220129.5 +4849.8	3704 9.2 221729.6 +4805.6	3794 8.4 223250.4 +4820.5	3883 9.5 224925.0 +4814.2
3615 9.4 220155.1 +4838.2	3705 9.3 221733.0 +4856.9	3795 9.0 223302.9 +4840.9	3884 9.5 224929.4 +4802.1
3616 9.0 220158.8 +4852.6	3706 9.0 221735.5 +4840.0	3796 9.4 223311.1 +4803.6	3885 9.1 224935.6 +4840.5
3617 9.4 220159.9 +4855.2	3707 9.5 221752.4 +4813.0	3797 9.4 223333.2 +4857.0	3886 8.9 224949.3 +4845.9
3618 9.5 220205.3 +4808.1	3708 9.5 221758.0 +4844.4	3798 9.5 223343.8 +4813.4	3887 4.6 225006.4 +4857.8
3619 9.5 220213.4 +4857.7	3709 9.5 221802.8 +4816.0	3799 9.0 223350.9 +4820.4	3888 9.5 225015.5 +4809.3
3620 9.5 220226.8 +4810.6	3710 9.5 221807.1 +4846.1	3799a 9.5 223355.7 +4832.4	3889 9.5 225017.5 +4808.6
3621 8.1 220241.9 +4810.4	3711 7.8 221817.3 +4805.4	3800 9.4 223419.6 +4831.8	3890 8.4 225030.4 +4832.7
3622 9.5 220247.9 +4810.4	3712 9.5 221835.5 +4820.2	3801 9.4 223419.6 +4801.2	3891 8.4 225037.0 +4836.0
3623 9.5 220252.7 +4851.2	3713 9.5 221837.9 +4817.5	3802 9.2 223421.5 +4823.7	3892 9.2 225048.9 +4818.6
3624 9.4 220305.9 +4804.1	3714 9.5 221838.5 +4808.4	3803 8.3 223432.8 +4804.8	3893 9.1 225059.2 +4815.7
3625 8.6 220335.8 +4855.7	3715 5.0 221838.6 +4844.5	3804 9.5 223436.0 +4806.0	3894 8.3 225106.5 +4829.0
3626 9.5 220346.0 +4848.0	3716 9.5 221843.0 +4804.4	3805 9.4 223453.1 +4806.1	3895 8.6 225116.0 +4813.1
3627 9.1 220355.6 +4817.1	3717 9.5 221849.5 +4848.5	3806 9.3 223455.5 +4833.9	3896 9.2 225138.0 +4800.7
3628 9.4 220405.1 +4810.8	3718 9.5 221856.6 +4856.3	3807 9.0 223506.3 +4817.5	3897 9.5 225157.8 +4814.8
3629 9.5 220419.0 +4842.6	3719 9.5 221857.6 +4853.5	3808 9.5 223548.3 +4806.3	3898 9.5 225207.3 +4809.5
3630 9.3 220424.1 +4839.3	3720 9.3 221904.8 +4800.9	3809 7.8 223609.6 +4829.8	3899 8.5 225211.0 +4830.8
3631 8.9 220427.3 +4829.4	3721 9.4 221913.0 +4855.9	3810 9.4 223617.6 +4805.7	3900 9.4 225232.2 +4801.9
3632 9.5 220506.9 +4801.3	3722 9.5 221919.5 +4842.4	3811 9.4 223625.2 +4835.3	3901 9.4 225303.6 +4848.2
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3634 9.5 220519.4 +4809.1	3724 9.5 221931.0 +4803.4	3813 9.5 223652.9 +4855.3	3903 8.4 225335.7 +4840.3
3635 9.4 220522.5 +4814.8	3725 9.0 221956.3 +4856.0	3814 9.5 223657.1 +4801.8	3904 9.5 225344.2 +4805.8
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3637 9.4 220549.4 +4807.7	3727 8.6 222022.4 +4840.9	3816 9.0 223702.9 +4822.0	3906 9.0 225401.5 +4840.0
3638 9.5 220559.5 +4858.1	3728 8.2 222034.3 +4857.4	3817 9.2 223704.0 +4811.0	3907 9.5 225403.1 +4826.7
3639 9.5 220621.6 +4815.4	3729 9.4 222042.4 +4837.8	3818 9.2 223716.8 +4840.9	3908 7.8 225411.5 +4836.8
3640 7.6 220624.3 +4832.3	3730 9.3 222042.6 +4839.1	3819 9.0 223726.5 +4826.2	3909 9.2 225458.4 +4808.5
3641 9.5 220626.6 +4816.1	3731 9.0 222045.0 +4821.5	3820 9.5 223738.4 +4825.1	3910 7.7 225502.2 +4815.9
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3643 7.4 220711.9 +4839.2	3733 8.5 222104.8 +4857.7	3822 9.3 223748.8 +4821.2	3912 9.0 225539.5 +4842.8
3644 9.4 220715.5 +4855.6	3734 8.7 222105.1 +4838.0	3823 7.1 223807.9 +4829.1	3913 8.8 225603.4 +4850.2
3645 9.4 220731.7 +4850.5	3735 9.1 222112.7 +4852.6	3824 9.5 223816.1 +4844.1	3914 9.5 225622.3 +4809.7
3646 7.1 220735.4 +4839.4	3736 9.4 222135.3 +4857.5	3825 9.4 223832.1 +4852.4	3915 7.8 225636.7 +4803.2
3647 9.1 220740.8 +4856.5	3737 9.4 222135.6 +4859.9	3826 9.2 223835.3 +4815.7	3916 9.0 225640.7 +4848.3
3648 9.5 220750.6 +4817.6	3738 9.0 222159.8 +4834.7	3827 9.4 223847.6 +4843.0	3917 9.5 225642.0 +4818.9
3649 7.0 220754.1 +4845.1	3739 8.0 222239.5 +4843.1	3828 8.3 223933.1 +4811.4	3918 9.1 225646.7 +4817.9
3650 9.5 220755.8 +4830.0	3740 9.4 222244.0 +4858.2	3829 9.3 223956.4 +4803.2	3919 9.0 225647.3 +4808.2
3651 9.5 220806.4 +4812.2	3741 9.4 222255.9 +4826.8	3830 9.4 224001.6 +4807.1	3920 9.5 225707.0 +4834.8
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3653 9.0 220841.7 +4822.6	3743 8.8 222309.8 +4840.9	3832 9.4 224013.6 +4817.0	3922 9.5 225754.8 +4824.1
3654 9.0 220841.8 +4859.1	3744 9.5 222313.0 +4847.6	3833 9.4 224017.4 +4820.7	3923 9.4 225804.1 +4832.3
3655 8.0 220848.3 +4806.1	3745 9.5 222343.3 +4859.5	3834 9.2 224022.8 +4817.8	3924 7.9 225811.5 +4832.8
3656 7.3 220859.4 +4837.8	3746 9.0 222358.5 +4820.6	3835 9.4 224035.0 +4848.6	3925 9.4 225822.4 +4852.7
3657 9.0 220908.9 +4804.3	3747 7.0 222408.9 +4836.9	3836 9.4 224046.1 +4805.2	3926 8.8 225825.0 +4850.0
3658 9.3 220958.5 +4843.5	3748 9.5 222420.0 +4816.4	3837 9.3 224119.6 +4807.4	3927 9.5 225829.0 +4801.9
3659 9.0 221024.3 +4859.0	3749 8.8 222435.7 +4806.9	3838 9.2 224128.9 +4815.9	3928 9.3 225833.2 +4858.1
3660 9.3 221024.8 +4856.7	3750 8.9 222443.3 +4811.0	3839 9.1 224130.3 +4824.7	3929 7.8 225834.2 +4816.1
3661 9.5 221029.4 +4837.3	3751 8.1 222448.1 +4800.6	3840 8.0 224134.4 +4819.5	3930 9.4 225835.9 +4802.1
3662 8.8 221050.0 +4841.5	3752 9.4 222504.8 +4856.2	3841 9.3 224139.1 +4819.5	3931 9.5 225850.0 +4835.6
3663 8.6 221104.5 +4819.3	3753 9.4 222508.6 +4828.5	3842 7.5 224141.6 +4806.5	3932 9.4 225853.6 +4837.3
3664 9.1 221122.4 +4840.5	3754 9.4 222536.0 +4808.1	3843 9.5 224150.0 +4826.2	3933 9.0 225914.5 +4836.8
3665 6.6 221140.6 +4824.2	3755 9.3 222544.7 +4857.4	3844 6.8 224154.9 +4849.3	3934 9.3 225922.9 +4859.8
3666 8.6 221141.4 +4828.0	3756 9.5 222556.1 +4827.0	3845 9.4 224211.5 +4820.2	3935 9.5 225940.8 +4810.1

+48 3936 22h59m

+47 45 0h08m

3936	9.5	225949.4	+4833.4	4026	9.5	231656.9	+4806.8	4116	8.1	233152.8	+4823.1	4206	9.4	235238.8	+4804.8
3937	9.5	230007.2	+4851.0	4027	9.0	231701.3	+4815.5	4117	9.5	233211.8	+4803.0	4207	9.0	235244.5	+4814.0
3938	9.2	230011.3	+4807.6	4028	9.4	231709.3	+4804.3	4118	9.5	233221.9	+4826.9	4208	9.4	235248.5	+4820.0
3939	8.5	230025.1	+4829.4	4029	9.5	231722.5	+4850.1	4119	8.7	233249.0	+4808.0	4209	9.5	235259.8	+4846.8
3940	9.1	230027.1	+4807.0	4030	9.5	231738.0	+4810.2	4120	9.0	233258.2	+4855.1	4210	8.6	235305.4	+4829.1
3941	8.0	230044.2	+4844.7	4031	9.5	231743.6	+4819.0	4121	9.4	233304.1	+4800.2	4211	8.8	235316.5	+4842.7
3942	9.5	230044.9	+4850.4	4032	9.5	231756.6	+4859.4	4122	9.5	233317.0	+4820.0	4212	9.3	235322.1	+4857.6
3943	8.0	230056.8	+4815.7	4033	9.1	231810.4	+4816.6	4123	9.4	233317.0	+4824.0	4213	9.4	235334.6	+4836.0
3944	6.0	230113.2	+4831.0	4034	9.5	231810.5	+4839.1	4124	8.6	233334.6	+4853.3	4214	9.4	235351.9	+4846.3
3945	8.5	230144.1	+4819.3	4035	9.5	231811.5	+4809.0	4125	9.5	233350.2	+4852.5	4215	9.0	235353.7	+4856.7
3946	9.5	230204.6	+4809.9	4036	7.5	231828.8	+4851.1	4126	8.5	233406.2	+4817.8	4216	9.5	235353.8	+4803.5
3947	8.6	230216.0	+4837.8	4037	8.0	231834.6	+4830.7	4127	6.5	233423.0	+4843.1	4217	9.5	235355.5	+4802.8
3948	9.2	230218.0	+4803.2	4038	9.5	231845.8	+4810.7	4128	9.5	233444.0	+4849.8	4218	8.5	235404.3	+4812.2
3949	9.5	230224.2	+4808.5	4039	9.5	231849.5	+4820.3	4129	9.0	233444.5	+4836.5	4219	9.5	235406.4	+4841.4
3950	7.4	230246.0	+4852.3	4040	9.5	231849.7	+4857.5	4130	8.5	233456.0	+4855.9	4220	9.5	235409.8	+4827.8
3951	9.5	230302.1	+4831.5	4041	8.1	231856.3	+4846.3	4131	7.9	233518.6	+4821.7	4221	9.2	235418.6	+4842.4
3952	7.0	230340.6	+4813.3	4042	9.4	231901.8	+4819.0	4132	9.1	233525.9	+4811.6	4222	9.5	235419.8	+4810.3
3953	9.4	230344.9	+4851.6	4043	9.5	231902.9	+4814.2	4133	9.1	233526.2	+4848.2	4223	9.4	235436.4	+4835.2
3954	9.5	230425.1	+4806.9	4044	9.5	231920.5	+4826.9	4134	9.0	233530.9	+4829.0	4224	9.4	235441.0	+4858.9
3955	9.5	230426.6	+4837.0	4045	9.1	231923.9	+4816.8	4135	8.6	233552.6	+4818.7	4225	7.5	235448.5	+4857.9
3956	8.4	230430.6	+4832.9	4046	9.0	231928.6	+4816.3	4136	8.9	233612.3	+4848.5	4226	9.4	235456.5	+4819.9
3957	9.5	230446.7	+4831.5	4047	9.5	231934.0	+4855.2	4137	9.5	233613.2	+4858.2	4227	9.5	235500.1	+4814.0
3958	9.0	230501.1	+4812.6	4048	9.2	231941.9	+4841.8	4138	8.5	233626.5	+4846.0	4228	9.4	235503.8	+4817.6
3959	8.4	230517.6	+4833.2	4049	9.0	231947.1	+4835.5	4139	9.5	233628.8	+4809.3	4229	9.5	235507.8	+4847.7
3960	9.5	230522.5	+4802.4	4050	9.5	232002.5	+4845.6	4140	9.5	233706.9	+4842.1	4230	8.9	235511.0	+4853.6
3961	7.5	230524.1	+4826.2	4051	9.3	232007.9	+4843.1	4141	9.5	233712.3	+4840.4	4231	9.5	235603.8	+4811.4
3962	8.0	230531.0	+4827.2	4052	9.5	232017.6	+4805.0	4142	9.5	233723.8	+4836.2	4232	9.5	235604.1	+4804.7
3963	9.0	230558.4	+4846.5	4053	9.5	232020.8	+4845.8	4143	8.9	233740.0	+4805.9	4233	9.2	235624.2	+4820.2
3964	5.0	230559.1	+4836.7	4054	9.4	232055.0	+4936.3	4144	9.5	233741.3	+4853.6	4234	8.7	235633.6	+4853.2
3965	9.5	230603.8	+4803.1	4055	9.5	232101.0	+4325.9	4145	8.6	233752.9	+4813.8	4235	9.3	235635.9	+4853.9
3966	9.5	230617.9	+4813.6	4056	8.9	232101.3	+4416.9	4146	9.2	233815.5	+4817.2	4236	9.5	235652.0	+4830.6
3967	9.5	230630.4	+4800.5	4057	8.9	232117.8	+4813.5	4147	9.5	233820.4	+4804.8	4237	9.5	235652.4	+4814.9
3968	9.0	230637.6	+4838.4	4058	9.0	232126.2	+4657.0	4148	8.7	233835.4	+4807.4	4238	9.5	235654.9	+4839.8
3969	8.5	230651.6	+4827.9	4059	9.0	232126.7	+4802.0	4149	9.5	233842.8	+4813.1	4239	9.0	235726.9	+4850.8
3970	9.5	230656.7	+4821.3	4060	8.9	232131.3	+4849.0	4150	9.4	233843.9	+4837.7	4240	9.5	235732.1	+4807.3
3971	9.5	230732.0	+4846.0	4061	8.7	232132.6	+4835.9	4151	9.3	233911.0	+4838.2	4241	7.4	235755.6	+4858.4
3972	9.0	230735.3	+4818.5	4062	9.0	232159.2	+4815.2	4152	9.0	233911.0	+4841.0	4242	9.5	235822.4	+4857.0
3973	9.4	230736.6	+4841.0	4063	9.1	232207.8	+481.1	4153	9.5	233911.9	+4800.3	4243	9.4	235825.5	+4802.7
3974	8.9	230743.0	+4811.6	4064	9.5	232223.9	+4814.2	4154	9.5	233917.3	+4806.5	4244	7.2	235828.7	+4849.3
3975	9.5	230747.5	+4855.1	4065	8.5	232233.8	+4816.9	4155	9.4	233930.5	+4823.1	4245	9.5	235849.1	+4856.7
3976	9.5	230753.2	+4802.4	4066	8.0	232247.7	+4813.6	4156	9.4	233952.7	+4800.9	4246	9.4	235856.5	+4858.3
3977	9.2	230800.5	+4811.6	4067	9.3	232309.9	+4813.0	4157	9.5	234012.9	+4817.6	4247	9.3	235900.9	+4849.5
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3979	9.5	230815.9	+4849.8	4069	9.4	232313.5	+4851.8	4159	8.1	234049.8	+4859.1	4249	9.4	235941.4	+4812.9
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2246	9.4	153005.9	+4750.8	2336	9.2	161938.5	+4714.0	2426	7.5	170101.7	+4710.2	2516	9.5	173539.9	+4712.0
2247	8.3	153024.7	+4709.4	2337	9.5	161939.1	+4740.5	2427	9.4	170211.6	+4739.0	2517	9.0	173604.2	+4748.7
2248	9.5	153040.2	+4740.8	2338	9.5	162016.8	+4716.1	2428	7.6	170256.7	+4751.8	2518	9.5	173637.9	+4739.5
2249	9.5	153041.5	+4721.3	2339	8.6	162058.3	+4712.0	2429	8.8	170257.8	+4702.3	2519	9.5	173648.4	+4705.0
2250	9.2	153157.0	+4719.9	2340	8.5	162115.4	+4754.5	2430	9.5	170312.3	+4704.8	2520	9.5	173709.6	+4710.2
2251	9.5	153232.5	+4707.4	2341	9.1	162200.8	+4706.6	2431	9.3	170321.9	+4738.9	2521	9.5	173718.8	+4732.0
2252	8.3	153304.1	+4747.8	2342	9.5	162253.9	+4726.5	2432	9.5	170326.7	+4712.2	2522	8.5	173747.3	+4724.5
2253	5.5	153338.9	+4717.3	2343	9.5	162310.8	+4749.5	2433	9.0	170346.4	+4737.5	2523	9.1	173820.2	+4756.6
2254	9.3	153423.9	+4709.5	2344	7.5	162325.1	+4738.8	2434	9.3	170437.6	+4721.5	2524	9.0	173830.8	+4731.0
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2258	9.1	153602.6	+4735.5	2348	8.8	162541.0	+4729.5	2438	9.5	170623.9	+4732.6	2528	8.8	173915.9	+4704.3
2259	8.0	153658.0	+4710.9	2349	9.3	162607.3	+4732.1	2439	9.2	170654.8	+4716.5	2529	9.0	173918.4	+4710.2
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2263	9.0	153857.3	+4747.4	2353	9.0	162943.9	+4712.6	2443	9.5	170837.2	+4742.0	2533	9.0	174147.9	+4706.3
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2265	8.8	153955.0	+4709.4	2355	9.0	163008.4	+4727.5	2445	9.3	171112.2	+4701.1	2535	9.5	174248.7	+4754.3
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2925	9.1	194407.9	+4723.2	3015	9.5	200111.1	+4707.5	3104	9.1	202118.5	+4755.7	3192	8.0	204405.0	+4740.8
2926	9.2	194427.0	+4744.6	3016	9.5	200116.3	+4740.8	3105	9.3	202124.0	+4710.2	3193	9.2	204405.2	+4732.8
2927	9.4	194439.7	+4702.4	3017	9.5	200116.7	+4748.8	3106	8.8	202125.8	+4730.8	3194	9.5	204509.5	+4709.5
2928	9.3	194451.9	+4729.7	3018	9.5	200209.2	+4750.7	3107	8.0	202126.0	+4727.9	3195	9.5	204522.1	+4700.1
2929	9.1	194458.3	+4703.7	3019	9.4	200223.3	+4710.5	3108	8.8	202140.0	+4725.9	3196	9.5	204535.4	+4755.2
2930	9.2	194504.1	+4735.1	3020	9.5	200234.7	+4735.8	3109	9.0	202151.7	+4703.2	3197	9.5	204540.0	+4700.1
2931	9.2	194504.4	+4725.2	3021	9.5	200245.7	+4722.9	3110	9.5	202159.3	+4713.0	3198	9.5	204551.5	+4708.9
2932	9.1	194515.0	+4745.6	3022	8.0	200258.6	+4746.3	3111	8.8	202228.2	+4709.5	3199	8.8	204600.5	+4723.8
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2934	9.2	194554.7	+4707.4	3024	9.0	200330.0	+4732.3	3113	8.5	202256.4	+4747.9	3201	8.8	204638.3	+4713.9
2935	9.3	194621.2	+4725.7	3025	8.1	200331.5	+4707.5	3114	8.1	202336.2	+4746.3	3202	7.5	204642.6	+4709.7
2936	9.3	194632.4	+4742.1	3026	9.4	200407.5	+4750.8	3115	8.3	202336.2	+4736.8	3202a	9.5	204647.9	+4701.3
2937	6.2	194700.3	+4701.7	3027	8.9	200437.4	+4748.7	3116	9.3	202345.8	+4728.8	3203	9.5	204656.0	+4729.3
2938	9.3	194723.1	+4701.1	3028	9.5	200438.3	+4710.2	3117	7.2	202409.8	+4708.2	3204	9.0	204705.8	+4702.9
2939	5.8	194752.8	+4735.2	3029	9.2	200444.2	+4753.2	3118	9.0	202418.6	+4745.3	3205	9.0	204730.5	+4730.4
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2941	9.3	194813.5	+4730.6	3031	30.0	200502.7	+4725.4	3120	8.1	202425.0	+4744.9	3207	9.5	204740.0	+4702.9
2942	9.5	194816.3	+4736.6	3032	9.0	200502.9	+4757.2	3121	9.3	202430.6	+4749.5	3208	9.2	204750.5	+4720.4
2943	7.6	194823.0	+4744.6	3033	9.5	200511.2	+4701.4	3122	9.5	202434.5	+4721.9	3209	9.4	204757.4	+4726.6
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2949	8.0	195013.8	+4733.2	3039	9.4	200625.7	+4701.0	3128	9.2	202520.2	+4700.3	3215	9.0	204912.0	+4758.9
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2953	9.4	195047.6	+4731.1	3043	9.4	200710.3	+4700.4	3132	8.5	202734.0	+4716.9	3219	9.4	204933.6	+4700.1
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2964	9.1	195249.9	+4708.7	3054	7.8	201016.7	+4700.2	3143	9.5	203018.6	+4733.8	3230	9.2	205137.4	+4743.9
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4376	9.2	235750.0	+4758.3	82	9.2	01952.0	+4600.5	172	9.5	04014.9	+4622.0	262	9.1	05909.2	+4635.6
4377	8.0	235751.0	+4740.1	83	9.5	01956.7	+4637.8	173	9.5	04020.0	+4613.0	263	9.1	05913.5	+4627.5
4378	9.5	235827.2	+4730.3	84	9.4	02006.8	+4603.1	174	9.3	04102.4	+4650.9	264	9.2	05919.5	+4651.6
4379	9.5	235834.7	+4719.0	85	9.5	02038.7	+4643.7	175	9.0	04118.7	+4633.3	265	9.3	05924.0	+4646.5
4380	9.4	235841.3	+4729.4	86	9.5	02039.0	+4610.2	176	6.5	04132.1	+4658.3	266	7.5	05928.8	+4604.0
4381	8.9	235906.6	+4731.9	87	9.5	02041.1	+4659.5	177	9.5	04155.2	+4653.8	267	9.5	05929.1	+4638.9
4382	9.5	235932.9	+4731.6	88	8.0	02044.1	+4654.4	178	9.1	04231.1	+4604.6	268	9.5	05932.8	+4601.3
4383	9.5	235950.3	+4713.8	89	9.5	02123.2	+4623.6	179	9.4	04235.7	+4617.5	269	9.5	05947.4	+4619.2
1	9.1	00005.6	+4630.9	90	9.5	02129.7	+4651.4	180	9.4	04242.3	+4628.5	270	8.7	10023.6	+4615.7
2	9.3	00010.5	+4651.4	91	8.8	02148.9	+4641.0	181	9.5	04339.0	+4642.4	271	9.1	10023.7	+4626.7
3	9.4	00015.0	+4601.2	92	9.5	02209.7	+4645.5	182	9.3	04351.7	+4655.6	272	9.5	10041.1	+4623.0
4	9.2	00016.0	+4648.0	93	9.5	02219.8	+4654.6	183	8.5	04354.2	+4649.3	273	9.5	10051.2	+4647.3
5	9.5	00050.6	+4644.7	94	9.5	02255.2	+4637.1	184	9.5	04405.0	+4649.5	274	9.2	10056.0	+4611.3
6	9.4	00103.0	+4615.4	95	7.4	02255.7	+4644.1	185	9.5	04414.3	+4622.3	275	4.4	10107.8	+4628.2
7	9.5	00131.4	+4605.9	96	9.5	02333.0	+4651.4	186	9.1	04420.9	+4632.3	276	9.5	10213.9	+4615.5
8	9.5	00136.0	+4627.2	97	9.5	02351.8	+4614.0	187	8.8	04443.1	+4659.8	277	8.7	10219.1	+4635.1
9	9.1	00207.5	+4613.4	98	9.4	02353.6	+4656.5	188	9.5	04448.0	+4600.4	278	9.5	10220.2	+4649.9
10	9.2	00230.7	+4608.8	99	9.5	02414.7	+4652.5	189	7.9	04448.2	+4619.5	279	9.5	10220.9	+4655.7
11	9.1	00236.0	+4646.8	100	8.8	02416.8	+4637.2	190	9.3	04501.0	+4630.7	280	9.5	10234.4	+4607.3
12	9.4	00254.0	+4614.0	101	7.5	02419.9	+4619.5	191	9.3	04516.3	+4651.2	281	9.5	10259.2	+4611.1
13	9.2	00307.6	+4614.0	102	9.5	02501.0	+4632.3	192	9.5	04536.9	+4642.8	282	9.5	10307.2	+4615.2
14	9.3	00313.5	+4651.5	103	9.3	02514.4	+4648.6	193	8.5	04539.4	+4603.5	283	9.3	10311.4	+4630.9
15	9.2	00314.4	+4659.0	104	9.1	02515.7	+4620.2	194	8.5	04543.4	+4618.9	284	9.5	10325.0	+4633.3
16	9.3	00326.8	+4654.6	105	9.5	02532.5	+4658.5	195	9.5	04601.2	+4627.1	285	8.4	10339.2	+4613.3
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26	8.0	00602.7	+4623.2	115	9.4	02825.4	+4643.2	205	9.1	04827.2	+4614.6	295	9.5	10506.7	+4652.0
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29	9.2	00647.9	+4650.5	118	9.0	02904.7	+4609.0	208	9.5	04924.3	+4653.7	298	9.5	10556.7	+4620.9
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690	9.1	25657.0	+4643.0	780	9.2	32703.9	+4651.4	870	9.5	41022.9	+4601.3	960	9.4	45451.3	+4609.0
691	9.5	25731.6	+4618.2	781	9.4	32726.7	+4642.1	871	9.4	41039.4	+4641.6	961	8.7	45631.6	+4654.4
692	6.4	25753.7	+4644.5	782	9.0	32740.2	+4637.2	872	5.1	41106.9	+4609.1	962	8.6	45639.4	+4616.7
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694	9.4	25857.6	+4603.5	784	9.5	33011.7	+4612.5	874	9.3	41259.0	+4613.1	964	9.4	45703.9	+4645.4
695	8.9	25902.5	+4610.9	785	9.5	33114.0	+4602.8	875	9.1	41303.2	+4607.8	965	9.0	45802.0	+4628.6
696	8.5	25931.9	+4640.0	786	9.2	33115.7	+4633.2	876	9.5	41359.5	+4646.3	966	9.1	45803.3	+4615.0
697	8.3	25945.5	+4608.7	787	9.5	33237.2	+4619.9	877	9.3	41402.9	+4603.2	967	9.5	45911.0	+4635.9
698	9.5	30001.8	+4605.2	788	9.5	33306.9	+4646.5	878	9.5	41427.2	+4602.6	968	9.2	45919.4	+4652.9
699	8.3	30021.0	+4658.2	789	9.5	33329.2	+4609.6	879	9.5	41448.3	+4628.3	969	9.4	45940.5	+4607.4
700	9.5	30107.8	+4650.3	790	9.5	33431.4	+4652.3	880	9.5	41500.4	+4601.8	970	6.0	45956.6	+4646.6
701	9.2	30122.3	+4640.0	791	8.8	33556.7	+4619.8	881	8.8	41518.2	+4611.6	971	9.5	50042.8	+4655.5
702	9.5	30216.4	+4640.0	792	9.5	33600.5	+4648.8	882	8.0	41521.4	+4643.0	972	8.0	50055.4	+4645.3
703	9.4	30231.5	+4612.2	793	9.5	33614.2	+4641.1	883	9.3	41559.1	+4653.1	973	8.7	50132.7	+4615.2
704	9.5	30303.5	+4632.8	794	9.1	33633.8	+4602.5	884	7.0	41651.8	+4632.2	974	9.1	50138.5	+4634.6
705	9.5	30322.3	+4657.8	795	7.8	33646.6	+4609.7	885	9.3	41704.2	+4636.2	975	9.4	50212.6	+4622.2
706	9.2	30325.9	+4648.5	796	9.5	33650.1	+4600.5	886	9.1	41717.3	+4607.5	976	9.5	50217.4	+4626.9
707	9.3	30342.9	+4636.1	797	9.4	33659.0	+4655.8	887	8.4	41725.6	+4636.2	977	8.3	50222.4	+4640.2
708	8.2	30344.8	+4615.5	798	9.5	33727.0	+4619.5	888	9.5	41736.1	+4603.9	978	9.5	50235.8	+4638.8
709	9.5	30355.7	+4645.5	799	9.5	33739.2	+4619.0	889	7.8	41925.3	+4607.2	979	7.6	50302.5	+4648.0
710	9.4	30400.4	+4645.5	800	8.2	33831.1	+4613.9	890	9.4	42025.6	+4659.4	980	9.3	50311.4	+4655.5
711	8.5	30412.6	+4615.1	801	8.8	33837.8	+4613.5	891	9.0	42039.7	+4658.4	981	8.7	50353.8	+4612.9
712	9.5	30444.2	+4650.8	802	8.0	33846.6	+4620.9	892	9.4	42122.6	+4655.8	982	9.5	50356.4	+4634.4
713	8.5	30453.6	+4634.8	803	9.4	33900.5	+4658.9	893	9.1	42131.9	+4640.1	983	9.5	50430.0	+4611.0
714	9.2	30511.8	+4613.0	804	9.3	33938.2	+4631.2	894	9.5	42157.0	+4651.9	984	9.0	50434.0	+4658.1
715	9.5	30519.0	+4602.2	805	9.4	33940.8	+4633.2	895	8.8	42238.4	+4622.5	985	7.7	50445.9	+4613.5
716	9.5	30520.4	+4606.0	806	9.0	33943.1	+4617.5	896	9.5	42447.5	+4610.1	986	9.3	50455.0	+4658.8
717	8.8	30523.3	+4644.0	807	9.5	33950.9	+4656.6	897	8.8	42727.8	+4631.8	987	9.5	50526.8	+4619.5
718	9.5	30558.0	+4658.5	808	8.8	34033.7	+4639.7	898	9.5	42822.4	+4626.9	988	9.5	50534.1	+4611.8
719	9.4	30606.3	+4652.5	809	8.0	34120.8	+4639.6	899	9.5	42830.7	+4606.9	989	7.1	50543.0	+4614.9
720	9.3	30640.1	+4628.2	810	9.5	34145.2	+4644.5	900	9.5	43116.5	+4633.0	990	9.4	50547.6	+4612.9
721	9.5	30715.5	+4603.5	811	9.5	34236.6	+4634.7	901	9.3	43120.9	+4640.3	991	9.5	50640.2	+4650.1
722	7.3	30741.3	+4623.9	812	9.4	34242.2	+4637.7	902	9.5	43127.6	+4651.5	992	9.5	50717.3	+4621.0
723	8.7	30808.8	+4601.1	813	9.5	34304.7	+4653.3	903	8.5	43329.0	+4641.3	993	8.0	50736.4	+4652.6
724	9.5	30823.0	+4646.5	814	9.2	34308.3	+4634.2	904	9.4	43357.5	+4631.6	994	9.5	50739.8	+4613.4
725	9.4	30829.2	+4640.6	815	8.0	34313.1	+4628.2	905	9.5	43407.5	+4640.3	995	9.4	50845.8	+4628.0
726	7.8	30838.5	+4621.9	816	8.5	34329.6	+4600.9	906	9.1	43415.3	+4607.1	996	9.4	50906.2	+4650.0
727	8.3	30840.7	+4629.8	817	9.5	34421.7	+4631.8	907	8.8	43520.3	+4642.5	997	9.5	50924.1	+4652.4
728	9.3	30851.3	+4641.4	818	9.5	34511.3	+4602.5	908	9.5	43541.5	+4620.6	998	7.0	50950.3	+4648.8
729	9.4	30935.6	+4638.3	819	9.5	34552.9	+4648.1	909	9.5	43550.1	+4609.5	999	8.4	51103.8	+4633.4
730	8.8	30939.2	+4602.1	820	9.0	34553.1	+4632.2	910	8.5	43559.8	+4649.0	1000	9.0	51116.9	+4633.4
731	8.3	30959.5	+4659.3	821	9.3	34557.2	+4627.3	911	9.5	43611.0	+4651.8	1001	9.4	51127.2	+4647.5
732	8.0	31004.3	+4645.6	822	9.0	34604.1	+4609.1	912	9.5	43638.8	+4600.2	1002	9.4	51147.1	+4611.9
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735	9.5	31101.8	+4609.8	825	9.5	34729.0	+4631.2	915	9.5	43700.8	+4632.1	1005	9.5	51213.9	+4603.3
736	9.3	31221.5	+4611.3	826	9.3	34733.5	+4614.5	916	9.4	43704.6	+4626.9	1006	8.4	51213.9	+4650.5
737	9.5	31246.3	+4608.3	827	9.5	34733.7	+4619.4	917	9.3	43747.0	+4652.1	1007	7.0	51225.0	+4652.7
738	9.4	31258.8	+4658.9	828	9.5	34822.2	+4633.8	918	9.5	43815.1	+4656.9	1008	8.3	51234.8	+4639.2
739	9.2	31329.8	+4620.9	829	9.5	34854.6	+4645.5	919	9.5	43826.6	+4655.1	1009	9.5	51323.5	+4604.4
740	9.5	31338.5	+4602.3	830	9.0	35001.1	+4623.3	920	9.4	43840.3	+4607.1	1010	9.5	51330.2	+4609.9
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744	8.0	31467.4	+4647.3	834	9.1	35055.3	+4630.7	924	9.0	43927.3	+4637.8	1014	9.4	51518.8	+4602.6
745	9.5	31469.4	+4654.3	835	9.5	35056.5	+4645.5	925	8.4	44024.5	+4600.9	1015	8.0	51526.2	+4641.2
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751	8.4	31676.5	+4645.1	841	9.5	35602.8	+4622.4	931	9.5	44151.8	+4619.0	1021	9.2	52033.7	+4659.8
752	9.1	31709.0	+4618.1	842	9.5	35635.3	+4623.8	932	9.5	44155.3	+4642.5	1022	9.0	52133.6	+4601.6
753	9.1	31711.8	+4639.7	843	8.8	35806.3	+4618.0	933	9.5	44305.8	+4622.0	1023	7.3	52219.5	+4646.3
754	9.1	31717.8	+4602.1	844	9.1	35844.5	+4618.5	934	9.5	44330.1	+4617.5	1024	9.3	52220.2	+4624.1
755	8.5	31720.6	+4632.3	845	9.4	35909.1	+4653.6	935	9.3	44332.9	+4606.8	1025	8.7	52320.7	+4605.1
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760	6.5	31921.7	+4626.6	850	9.2	40136.1	+4653.6	940	9.3	44638.3	+4621.9	1030	8.0	52635.7	+4643.6
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1408	9.3	82014.5	+4653.8	1498	8.8	91508.5	+4647.7	1587	9.0	95844.9	+4643.2	1677	9.5	104905.1	+4637.7
1409	8.5	82016.4	+4620.8	1499	9.5	91536.0	+4657.2	1588	9.5	95943.4	+4614.8	1678	9.5	105043.7	+4626.6
1410	7.5	82024.5	+4645.6	1500	8.8	91536.2	+4643.7	1589	9.3	100003.6	+4633.6	1679	8.4	105118.5	+4633.9
1411	9.4	82115.5	+4602.8	1501	9.5	91558.5	+4643.3	1590	8.4	100011.3	+4659.1	1680	6.0	105155.9	+4617.2
1412	9.5	82121.8	+4613.2	1502	9.4	91635.6	+4655.7	1591	9.5	100110.9	+4611.8	1681	9.4	105156.0	+4640.7
1413	9.3	82329.9	+4624.3	1503	9.4	91637.0	+4650.3	1592	8.9	100157.7	+4623.3	1682	8.6	105245.0	+4605.2
1414	9.2	82642.6	+4638.2	1504	9.5	91654.0	+4648.8	1593	9.3	100204.4	+4649.2	1683	8.8	105301.6	+4626.1
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1416	9.0	82705.3	+4608.0	1506	8.0	91818.0	+4622.8	1595	9.4	100219.3	+4636.2	1685	8.6	105349.8	+4623.6
1417	9.4	82754.0	+4653.4	1507	9.0	91843.3	+4633.8	1596	9.0	100233.9	+4659.6	1686	9.5	105402.0	+4613.9
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1436	8.6	83759.0	+4603.3	1526	9.1	92454.0	+4610.6	1615	9.0	101023.9	+4607.1	1705	9.3	105856.5	+4634.1
1437	9.5	83815.5	+4629.5	1527	9.5	92513.1	+4605.6	1616	8.9	101142.9	+4626.3	1706	9.1	105856.5	+4603.0
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1458	7.2	84641.5	+4618.9	1548	8.5	93725.5	+4615.4	1637	7.8	102430.2	+4616.8	1727	9.3	105856.5	+4653.9
1459	6.5	84700.2	+4612.4	1549	9.0	93806.4	+4632.9	1638	8.8	102433.0	+4639.6	1728	9.5	105856.5	+4609.2
1460	9.5	84802.4	+4624.4	1550	9.1	93841.7	+4658.2	1639	8.5	102435.1	+4656.1	1729	9.5	105856.5	+4655.6
1461	8.6	84813.6	+4654.2	1551	5.9	93913.7	+4642.0	1640	9.1	102529.6	+4609.9	1730	8.8	105856.5	+4625.1
1462	9.5	84859.7	+4640.5	1552	9.5	94018.9	+4617.3	1641	9.0	10264.5	+4654.1	1731	9.2	105856.5	+4640.1
1463	7.2	84934.0	+4618.9	1553	9.3	94050.5	+4628.2	1642	7.2	10260.9	+4624.3	1732	9.5	105856.5	+4649.6
1464	9.5	85120.6	+4632.8	1554	8.4	94115.9	+4618.6	1643	8.4	102704.0	+4600.7	1733	9.5	105856.5	+4642.6
1465	9.3	85245.6	+4616.9	1555	9.3	94120.2	+4639.7	1644	9.5	102816.5	+4653.1	1734	9.5	105856.5	+4652.0
1466	8.8	85354.0	+4605.2	1556	7.8	94142.7	+4613.3	1645	9.5	102933.1	+4611.7	1735	9.0	105856.5	+4629.7
1467	9.2	85435.6	+4649.2	1556	9.5	94158.0	+4643.2	1646	9.1	102933.7	+4642.2	1736	9.5	105856.5	+4619.7
1468	9.5	85512.6	+4639.3	1557	8.5	94410.1	+4622.3	1647	9.5	102943.8	+4610.0	1737	9.5	105856.5	+4624.2
1469	9.5	85603.0	+4641.8	1558	9.5	94432.7	+4637.2	1648	9.1	103030.2	+4614.1	1738	9.0	105856.5	+4628.7
1470	9.4	85603.5	+4648.7	1559	9.5	94456.6	+4626.8	1649	9.3	103032.6	+4615.6	1739	7.8	105856.5	+4657.0
1471	9.2	85633.5	+4657.7	1560	9.5	94622.5	+4654.6	1650	9.0	103057.2	+4607.4	1740	9.5	105856.5	+4624.2
1472	8.6	85636.0	+4644.3	1561	9.5	94652.9	+4644.7	1651	9.5	103159.2	+4657.6	1741	9.5	105856.5	+4645.1
1473	9.4	85842.7	+4613.7	1562	9.1	94653.8	+4607.8	1652	9.5	103215.5	+4649.6	1742	9.0	105856.5	+4621.7
1474	9.0	85955.0	+4602.5	1563	9.1	94731.6	+4638.2	1653	8.8	103225.4	+4615.8	1743	9.1	105856.5	+4655.6
1475	9.5	90021.5	+4603.5	1564	9.0	94759.4	+4641.2	1654	9.5	103311.9	+4610.4	1744	7.8	105856.5	+4625.2
1476	9.5	90138.7	+4639.3	1565	8.4	94803.3	+4636.9	1655	9.1	103331.2	+4633.3	1745	9.1	105856.5	+4602.2
1477	9.2	90201.1	+4605.5	1566	6.6	94847.4	+4605.8	1656	9.0	103430.6	+4644.7	1746	8.0	105856.5	+4628.7
1478	8.3	90218.0	+4605.8	1567	9.1	94850.4	+4626.3	1657	5.2	103500.4	+4657.6	1747	8.0	105856.5	+4656.0
1479	9.5	90259.4	+4631.8	1568	9.5	95111.9	+4654.1	1658	8.0	103528.3	+4657.6	1748	9.4	105856.5	+4639.6
1480	8.5	90316.5	+4615.9	1569	9.5	95140.4	+4636.7	1659	7.0	103647.6	+4619.3	1749	8.8	105856.5	+4635.1
1481	9.5	90441.6	+4637.8	1570	9.3	95147.8	+4646.0								

*46 1767 11h53m

*46 2122 15h47m

1767	8.8	115315.3	+4651.6	1855	9.5	130500.9	+4645.5	1944	6.8	140819.0	+4659.7	2033	9.5	150256.4	+4640.6
1767D	9.5	115323.0	+4610.7	1856	8.9	130801.8	+4621.6	1945	7.1	140821.2	+4606.3	2034	9.5	150259.0	+4645.2
1768	9.1	115359.5	+4638.7	1857	9.5	130851.8	+4651.0	1946	9.4	140821.5	+4610.6	2035	9.5	150272.0	+4640.5
1769	9.4	115616.0	+4638.1	1858	8.6	131003.3	+4628.1	1947	9.0	140951.4	+4633.7	2036	9.1	150431.0	+4616.2
1770	9.1	115922.0	+4601.7	1859	8.5	131007.4	+4658.4	1948	6.5	141026.7	+4614.3	2037	9.3	150441.5	+4616.7
1771	9.5	120005.4	+4646.3	1860	7.8	131120.7	+4639.1	1949	4.0	141052.3	+4645.7	2038	9.5	150610.9	+4630.0
1772	8.8	120058.6	+4620.1	1861	7.9	131125.5	+4621.1	1950	8.8	141128.8	+4608.6	2039	8.8	150623.2	+4600.6
1773	9.1	120209.1	+4638.9	1862	7.3	131307.2	+4617.6	1951	9.4	141147.3	+4606.6	2040	9.0	150634.8	+4653.5
1774	9.5	120307.6	+4600.0	1863	9.3	131317.2	+4615.6	1952	9.1	141152.1	+4631.7	2041	8.3	150821.4	+4622.1
1775	9.5	120588.5	+4647.4	1864	9.3	131447.8	+4616.3	1953	8.6	141205.7	+4635.2	2042	9.5	150852.5	+4613.2
1776	9.3	120712.7	+4607.4	1865	7.3	131703.1	+4652.0	1954	9.5	141215.3	+4609.8	2043	8.5	150918.1	+4658.7
1777	9.1	120724.6	+4625.5	1866	8.5	131714.9	+4624.2	1955	9.1	141216.8	+4630.2	2044	9.3	150952.3	+4629.1
1778	7.0	121352.1	+4619.0	1867	9.3	131845.3	+4630.6	1956	8.5	141300.8	+4645.2	2045	9.5	151123.4	+4619.6
1779	8.7	121435.2	+4615.5	1868	6.0	132003.1	+4646.6	1957	9.5	141334.6	+4643.7	2046	9.5	151141.0	+4636.6
1780	9.5	121458.1	+4627.2	1869	9.5	132013.9	+4633.0	1958	9.3	141521.7	+4657.6	2047	9.4	151149.1	+4643.5
1781	9.0	121652.3	+4632.0	1870	9.5	132020.6	+4655.9	1959	8.8	141658.8	+4619.8	2048	8.7	151150.3	+4621.5
1782	9.4	121731.8	+4631.5	1871	9.3	132044.0	+4643.6	1960	8.4	141720.2	+4646.7	2049	9.4	151223.9	+4602.6
1783	9.5	121732.4	+4637.1	1872	9.3	132332.0	+4613.6	1961	9.1	141810.7	+4635.7	2050	9.3	151232.8	+4631.0
1784	9.0	121746.8	+4622.1	1873	7.2	132402.9	+4628.1	1962	9.3	142051.6	+4605.2	2051	9.4	151253.0	+4643.0
1785	9.5	121756.7	+4651.4	1874	9.3	132443.5	+4640.0	1963	9.5	142113.3	+4606.9	2052	6.0	151320.3	+4609.0
1786	9.0	121850.2	+4624.2	1875	9.4	132507.0	+4645.5	1964	9.2	142352.8	+4655.2	2053	8.3	151339.5	+4629.6
1787	9.4	122026.9	+4624.7	1876	8.8	132531.1	+4636.0	1965	8.9	142430.7	+4651.2	2054	9.0	151504.0	+4634.1
1788	9.4	122057.3	+4654.4	1877	9.5	132556.4	+4634.6	1966	7.7	142550.7	+4614.3	2055	9.1	151526.8	+4628.3
1789	9.5	122105.4	+4602.8	1878	9.5	132557.0	+4643.8	1967	8.5	142559.4	+4628.4	2056	8.9	151535.8	+4631.0
1789a	9.6	122136.2	+4631.5	1879	8.6	132711.4	+4610.1	1968	9.3	142649.2	+4614.4	2057	8.5	151539.7	+4647.0
1790	9.4	122152.8	+4621.3	1880	7.3	132740.7	+4619.7	1969	8.5	142741.3	+4629.7	2058	9.3	151551.5	+4652.0
1791	7.5	122439.0	+4601.4	1881	8.6	132769.4	+4653.5	1970	9.4	142828.8	+4604.8	2059	6.5	151558.9	+4610.9
1792	8.2	122513.6	+4616.2	1882	8.1	132800.2	+4644.0	1971	9.2	142832.8	+4641.6	2060	7.7	151640.5	+4652.7
1793	8.4	122610.4	+4607.9	1883	9.0	132824.9	+4627.1	1972	8.9	142901.9	+4641.6	2061	9.5	151716.1	+4649.5
1794	9.4	122732.1	+4627.6	1884	9.5	132842.5	+4648.5	1973	9.4	142915.2	+4625.7	2062	9.3	151731.6	+4606.2
1795	9.4	122756.8	+4616.1	1885	8.3	132844.9	+4610.7	1974	8.0	143024.7	+4607.9	2063	9.5	151809.7	+4611.1
1796	9.5	122851.6	+4614.2	1886	9.1	132914.2	+4637.5	1975	9.2	143156.7	+4610.9	2064	8.8	152027.8	+4638.0
1797	7.0	122857.3	+4634.1	1887	8.5	133205.5	+4608.1	1976	9.0	143300.9	+4617.7	2065	8.5	152033.9	+4604.9
1798	9.4	122915.0	+4628.4	1888	9.5	133252.4	+4602.8	1977	8.1	143306.3	+4608.5	2066	6.8	152041.5	+4627.1
1799	9.1	122925.0	+4655.1	1889	9.4	133322.2	+4655.7	1978	9.4	143330.1	+4651.9	2067	7.0	152154.8	+4606.2
1800	9.3	122945.4	+4652.0	1890	9.2	133325.7	+4656.5	1979	9.2	143512.3	+4639.0	2068	9.1	152206.0	+4640.0
1801	8.5	122947.8	+4618.7	1891	8.4	133548.5	+4657.0	1980	9.0	143538.8	+4608.6	2069	9.4	152231.6	+4631.5
1802	7.8	123037.1	+4602.9	1892	9.5	133548.5	+4608.2	1981	7.3	143549.8	+4602.1	2070	9.5	152432.3	+4608.1
1803	9.4	123040.7	+4609.4	1893	9.5	133568.6	+4652.5	1982	9.2	143809.7	+4622.1	2071	9.3	152453.9	+4607.1
1804	9.3	123047.3	+4659.9	1894	8.9	133722.1	+4603.8	1983	9.5	143827.6	+4622.1	2072	9.2	152511.4	+4643.7
1805	7.2	123140.5	+4601.1	1895	6.5	133725.0	+4615.1	1984	9.5	143954.7	+4639.5	2073	9.2	152520.0	+4648.3
1806	9.3	123147.5	+4656.0	1896	9.5	133846.9	+4604.5	1985	9.0	144011.9	+4603.7	2074	7.4	152525.0	+4653.4
1807	9.0	123150.0	+4625.6	1897	9.4	133916.4	+4648.5	1986	8.4	144023.5	+4632.5	2075	8.9	152704.4	+4608.2
1808	9.5	123219.8	+4658.5	1898	9.2	133921.0	+4641.5	1987	9.5	144052.4	+4652.9	2076	9.4	152753.2	+4657.8
1809	9.4	123257.9	+4624.7	1899	9.2	134013.8	+4606.4	1988	9.5	144138.2	+4635.5	2077	9.5	152757.4	+4614.3
1810	8.4	123253.5	+4624.7	1900	9.2	134013.8	+4606.4	1989	9.5	144159.4	+4643.3	2078	9.0	152759.3	+4615.1
1811	9.2	123345.7	+4600.3	1901	9.5	134106.9	+4604.2	1990	8.9	144334.8	+4616.0	2079	9.3	152818.0	+4642.5
1812	9.3	123507.0	+4601.2	1902	9.1	134113.5	+4657.4	1991	9.3	144345.0	+4615.8	2080	8.8	152832.9	+4635.1
1813	9.5	123519.3	+4633.1	1903	9.2	134143.4	+4656.8	1992	9.4	144403.9	+4608.3	2081	9.0	152842.0	+4624.6
1814	6.8	123524.1	+4640.5	1904	8.7	134206.5	+4656.5	1993	6.0	144409.5	+4642.9	2082	9.5	152845.3	+4650.5
1815	9.0	123524.8	+4650.0	1905	9.0	134255.3	+4633.2	1994	9.2	144616.0	+4613.0	2083	9.0	153014.8	+4624.1
1816	9.5	123540.6	+4659.4	1906	8.5	134459.2	+4613.8	1995	9.0	144623.3	+4610.7	2084	9.1	153017.3	+4641.5
1817	5.5	123818.8	+4613.2	1907	9.1	134548.7	+4632.8	1996	9.3	144733.5	+4632.4	2085	9.0	153048.5	+4614.2
1818	9.4	123917.9	+4647.0	1908	9.3	134549.8	+4617.9	1997	8.3	144745.9	+4645.0	2086	9.3	153138.4	+4646.9
1819	9.2	123955.4	+4618.2	1909	9.5	134616.4	+4608.4	1998	8.4	144750.1	+4617.9	2087	9.3	153140.3	+4600.3
1820	9.3	124104.2	+4626.1	1909a	9.4	134645.1	+4608.1	1999	7.8	144842.0	+4616.6	2088	9.3	153154.0	+4636.6
1821	9.0	124222.3	+4649.0	1910	9.2	134743.1	+4628.7	2000	8.5	144937.5	+4611.1	2089	9.5	153224.5	+4620.1
1822	9.5	124249.7	+4657.5	1911	9.5	134858.1	+4644.4	2001	9.3	144947.1	+4621.2	2090	9.5	153327.5	+4649.5
1823	9.5	124251.6	+4612.2	1912	8.5	134902.9	+4639.6	2002	9.5	145044.0	+4633.6	2091	8.5	153420.7	+4620.6
1824	8.0	124354.8	+4651.9	1913	9.1	134950.7	+4628.3	2003	9.4	145051.7	+4641.0	2092	9.5	153509.5	+4659.0
1825	9.5	124423.7	+4625.1	1914	8.8	135015.2	+4616.8	2004	9.3	145124.1	+4656.9	2093	9.5	153538.8	+4648.5
1826	9.0	124608.3	+4621.2	1915	9.5	135324.8	+4639.2	2005	8.9	145125.0	+4611.7	2094	9.4	153541.4	+4610.9
1827	9.5	124617.4	+4617.2	1916	8.6	135349.7	+4619.9	2005a	9.5	145122.6	+4609.4	2095	9.3	153546.9	+4605.2
1828	8.8	124618.3	+4637.1	1917	9.5	135530.3	+4604.0	2006	8.7	145136.3	+4602.3	2096	9.5	153627.5	+4619.8
1829	9.2	124821.8	+4615.2	1918	9.1	135530.7	+4653.2	2007	9.3	145225.4	+4606.2	2097	8.5	153704.5	+4619.3
1830	9.3	124829.7	+4622.7	1919	9.5	135549.8	+4648.2	2008	8.3	145238.5	+4649.5	2098	8.2	153719.5	+4621.2
1831	9.0	124855.8	+4613.2	1920	9.3	135604.3	+4603.6	2009	8.8	145239.9	+4622.1	2099	9.5	153735.2	+4602.9
1832	7.8	125006.3	+4623.7	1921	9.3	135613.7	+4640.9	2010	9.5	145307.2	+4631.5	2100	6.8	153757.9	+4612.7
1833	6.5	125030.7	+4656.6	1922	6.0	135626.2	+4627.5	2011	8.7	145330.1	+4635.5	2101	8.1	153857.1	+4620.7
1834	9.5	125333.3	+4624.1	1923	8.0	135626.3	+4641.4	2012	9.5	145341.6	+4630.1	2102	8.2	154020.3	+4608.2
1835	8.9	125416.0	+4633.6	1924	8.0	135843.2	+4659.6	2013	9.5	145401.4	+4621.6	2103	9.1	154030.5	+4645.5
1836	8.2	125421.2	+4643.6	1925	9.5	135856.6	+4606.4	2014	8.5	145427.2	+4602.1	2104	9.2	154045.1	+4602.9
1837	8.6	125521.3	+4612.2	1926	9.0	135909.7	+4614.3	2015	9.3	145549.5	+4653.0	2105	9.5	154136.5	+4656.

2123	8.3	154806.5	+4628.8	2213	8.8	164313.8	+4631.2	2303	8.6	171954.4	+4651.0	2393	9.2	175333.9	+4624.6
2124	6.8	154834.3	+4628.2	2214	8.8	164319.3	+4626.8	2304	9.3	171955.9	+4655.3	2394	9.4	175334.9	+4626.5
2125	9.2	154943.3	+4647.2	2215	9.3	164336.5	+4650.2	2305	8.0	172043.1	+4635.3	2395	9.5	175339.6	+4644.6
2126	9.5	155012.6	+4641.7	2216	9.3	164350.3	+4644.7	2306	8.9	172047.4	+4659.0	2396	9.3	175351.1	+4605.5
2127	9.2	155035.6	+4649.2	2217	9.4	164415.0	+4659.5	2307	9.5	172119.6	+4625.0	2397	9.3	175425.8	+4611.9
2128	9.5	155132.1	+4646.7	2218	9.4	164419.8	+4619.4	2308	9.5	172128.0	+4602.1	2398	9.4	175430.5	+4645.4
2129	9.1	155136.5	+4627.2	2219	8.8	164455.9	+4627.8	2309	9.5	172201.4	+4638.4	2399	9.5	175517.9	+4655.9
2130	8.5	155146.3	+4621.8	2220	5.0	164500.3	+4613.9	2310	7.8	172209.7	+4658.7	2400	7.8	175545.4	+4649.8
2131	9.2	155333.6	+4601.1	2221	9.0	164517.8	+4658.2	2311	8.9	172220.4	+4653.7	2401	8.3	175546.9	+4632.5
2132	9.1	155350.0	+4612.1	2222	9.5	164547.1	+4649.1	2312	9.3	172257.6	+4620.0	2402	9.0	175629.1	+4601.8
2133	9.2	155359.0	+4612.7	2223	7.0	164550.7	+4654.5	2313	8.0	172300.8	+4623.5	2403	9.2	175705.9	+4656.1
2134	9.2	155425.7	+4600.8	2224	9.5	164554.9	+4658.7	2314	8.7	172344.3	+4632.5	2404	8.2	175723.9	+4604.5
2135	9.5	155450.9	+4610.8	2225	9.4	164619.1	+4600.7	2315	9.3	172351.5	+4608.6	2405	8.5	175749.2	+4624.7
2136	8.8	155642.1	+4640.7	2226	8.8	164645.3	+4618.9	2316	9.5	172355.4	+4624.0	2406	9.5	175757.3	+4621.6
2137	9.5	155644.5	+4650.1	2227	9.5	164809.3	+4658.7	2317	9.4	172358.1	+4640.3	2407	8.4	175817.4	+4631.5
2138	8.5	155704.1	+4656.6	2228	8.9	164823.5	+4622.4	2318	8.0	172410.6	+4611.0	2408	9.5	175818.4	+4615.0
2139	9.5	155753.7	+4625.0	2229	8.7	164841.2	+4622.6	2319	9.1	172422.9	+4611.9	2409	9.2	175824.7	+4627.1
2140	8.9	155756.5	+4650.1	2230	9.3	164848.3	+4612.9	2320	8.9	172423.0	+4604.3	2410	9.1	175836.6	+4609.2
2141	9.5	155812.0	+4621.0	2231	8.9	164859.4	+4649.7	2321	9.4	172505.5	+4613.8	2411	9.5	175848.7	+4628.8
2142	4.1	155817.0	+4626.5	2232	9.1	164913.8	+4648.1	2322	9.4	172510.9	+4638.9	2412	7.7	175855.9	+4613.6
2143	8.9	155839.0	+4613.8	2233	9.3	164933.9	+4633.1	2323	9.4	172513.1	+4625.6	2413	9.0	175857.7	+4653.7
2144	9.0	155921.1	+4652.2	2234	7.0	165009.5	+4646.5	2324	9.4	172517.2	+4621.6	2414	9.0	175940.6	+4605.5
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2146	9.0	160103.4	+4622.8	2236	9.4	165037.0	+4613.5	2326	9.2	172551.6	+4627.4	2416	7.3	180022.9	+4615.6
2147	9.5	160239.3	+4620.8	2237	8.0	165050.2	+4630.4	2327	9.2	172636.6	+4625.5	2417	9.1	180027.9	+4617.3
2148	8.5	160247.4	+4635.7	2238	9.5	165155.3	+4656.8	2328	9.2	172639.2	+4656.4	2418	9.1	180031.1	+4624.3
2149	9.0	160410.4	+4642.2	2239	9.2	165231.2	+4639.3	2329	9.5	172658.0	+4613.0	2419	9.4	180041.1	+4634.5
2150	9.5	160412.2	+4653.1	2240	8.8	165242.5	+4605.7	2330	9.0	172658.1	+4605.9	2420	9.4	180045.9	+4650.1
2151	9.5	160437.6	+4616.4	2241	9.4	165244.5	+4639.3	2331	7.0	172658.6	+4626.0	2421	9.5	180053.1	+4603.8
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2155	7.5	160752.8	+4634.3	2245	9.2	165408.0	+4608.1	2335	9.3	173031.7	+4625.0	2425	9.3	180147.9	+4651.8
2156	7.3	160817.3	+4616.3	2246	8.5	165410.2	+4609.5	2336	9.5	173115.7	+4607.6	2426	7.2	180235.9	+4615.5
2157	9.4	160856.8	+4656.9	2247	9.3	165427.0	+4621.0	2337	8.5	173119.1	+4615.4	2427	9.2	180251.7	+4609.8
2158	9.3	160904.2	+4608.1	2248	9.2	165438.3	+4638.4	2338	8.9	173129.2	+4622.5	2428	7.8	180255.6	+4645.9
2159	9.1	160938.8	+4644.7	2249	9.2	165440.9	+4629.0	2339	7.8	173146.6	+4643.4	2429	9.0	180315.8	+4626.2
2160	9.0	161000.3	+4656.6	2250	9.4	165441.5	+4620.5	2340	9.4	173209.2	+4613.8	2430	9.4	180348.8	+4628.2
2161	9.5	161107.9	+4656.1	2251	8.8	165541.2	+4613.5	2341	9.5	173226.9	+4638.9	2431	8.8	180408.9	+4611.5
2162	9.5	161115.3	+4617.9	2252	9.5	165650.4	+4640.9	2342	9.3	173227.0	+4613.7	2432	9.3	180423.4	+4648.9
2163	8.9	161236.1	+4654.7	2253	7.8	165651.9	+4628.5	2343	9.2	173231.6	+4610.4	2433	9.5	180442.6	+4634.5
2164	9.4	161318.6	+4602.1	2254	9.5	165724.7	+4650.8	2344	8.8	173258.2	+4653.0	2434	9.5	180521.5	+4629.0
2165	8.9	161319.1	+4605.1	2255	9.0	165829.2	+4608.5	2345	9.5	173309.5	+4617.0	2435	8.3	180643.6	+4657.1
2166	9.1	161440.1	+4608.1	2256	9.3	165846.5	+4653.8	2346	9.1	173436.1	+4632.4	2436	9.5	180654.9	+4621.0
2167	9.3	161510.4	+4642.5	2257	7.5	165927.5	+4612.1	2347	8.3	173509.1	+4614.0	2437	9.1	180749.4	+4642.1
2168	9.3	161520.0	+4633.4	2258	7.8	165956.2	+4618.5	2348	9.5	173523.0	+4655.7	2438	9.3	180751.3	+4617.1
2169	3.5	161525.3	+4641.7	2259	9.0	170110.0	+4609.4	2349	4.0	173523.7	+4604.8	2439	9.5	180754.2	+4613.1
2170	9.4	161532.8	+4616.6	2260	6.8	170118.1	+4633.2	2350	8.8	173544.4	+4623.0	2440	9.5	180803.3	+4655.7
2171	9.4	161551.8	+4605.4	2261	9.5	170124.3	+4613.0	2351	9.5	173554.0	+4634.3	2441	8.0	180806.9	+4642.4
2172	8.9	161601.2	+4643.9	2262	9.5	170133.3	+4610.5	2352	8.2	173728.6	+4622.0	2442	8.9	180924.4	+4609.0
2173	9.0	161645.9	+4614.8	2263	9.2	170213.3	+4621.4	2353	9.5	173745.4	+4639.0	2443	8.7	180928.4	+4623.1
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2177	8.7	162054.8	+4626.8	2267	8.0	170448.9	+4641.2	2357	9.0	173919.2	+4637.5	2447	9.2	181021.3	+4659.4
2178	9.1	162203.3	+4629.2	2268	8.0	170456.1	+4651.8	2358	8.3	173934.6	+4603.8	2448	9.4	181045.5	+4657.7
2179	9.5	162323.4	+4642.2	2269	8.3	170520.7	+4654.6	2359	9.0	174000.5	+4617.0	2449	9.1	181102.4	+4616.5
2180	9.5	162431.4	+4617.3	2270	9.2	170533.2	+4625.8	2360	8.9	174023.1	+4639.9	2450	9.2	181105.5	+4626.1
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2184	9.0	162537.7	+4630.2	2274	9.5	170652.8	+4627.8	2364	9.5	174146.9	+4649.7	2454	9.1	181300.7	+4605.7
2185	9.2	162646.9	+4641.5	2275	8.4	170708.6	+4610.3	2365	9.5	174203.2	+4607.1	2455	9.1	181317.4	+4640.0
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2187	9.5	162815.4	+4639.7	2277	8.9	170812.7	+4643.0	2367	9.5	174342.2	+4651.6	2457	8.3	181348.6	+4643.0
2188	9.4	162832.8	+4646.2	2278	9.5	170821.1	+4609.8	2368	9.4	174400.7	+4628.4	2458	9.0	181412.4	+4600.7
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3914	9.0	225536.5	+4601.0	4003	8.2	231207.0	+4634.8	4093	8.9	232939.0	+4611.9	4183	9.3	234303.7	+4607.2
3915	8.8	225540.0	+4651.8	4004	9.3	231216.2	+4638.5	4094	9.4	232939.2	+4655.6	4184	8.4	234317.4	+4614.5
3916	9.4	225544.5	+4630.8	4005	8.7	231218.7	+4658.6	4095	9.5	232941.5	+4604.8	4185	8.1	234323.0	+4616.3
3917	9.5	225551.1	+4621.3	4006	9.3	231220.5	+4656.5	4096	9.0	232945.8	+4632.4	4186	9.5	234329.6	+4646.1
3918	9.1	225626.8	+4645.0	4007	9.4	231233.0	+4643.5	4097	9.5	232955.7	+4634.8	4187	8.5	234337.7	+4642.1
3919	8.5	225636.2	+4616.4	4008	8.7	231252.1	+4636.5	4098	9.4	232958.9	+4659.7	4188	9.4	234356.5	+4605.0
3920	9.0	225649.7	+4649.6	4009	9.5	231324.0	+4615.2	4099	9.4	233009.8	+4605.9	4189	9.3	234405.2	+4653.0
3921	9.4	225658.3	+4636.0	4010	8.7	231336.4	+4637.8	4100	8.8	233017.6	+4618.3	4190	7.6	234412.3	+4656.9
3922	9.2	225714.5	+4608.5	4011	9.5	231343.8	+4615.0	4101	9.3	233036.0	+4641.2	4191	7.2	234418.6	+4640.9
3923	9.2	225742.2	+4600.5	4012	9.5	231348.5	+4657.0	4102	9.3	233036.8	+4653.3	4192	9.4	234422.8	+4616.1
3924	9.5	225746.5	+4655.3	4013	9.1	231355.3	+4615.6	4103	9.2	233049.3	+4659.4	4193	9.5	234441.2	+4620.0
3925	9.2	225822.3	+4607.0	4014	9.2	231356.6	+4651.6	4104	9.4	233052.5	+4657.9	4194	9.5	234442.0	+4614.3
3926	9.5	225831.5	+4638.3	4015	9.4	231356.9	+4659.0	4105	9.2	233057.0	+4624.0	4195	9.5	234501.5	+4601.6
3927	8.8	225848.0	+4604.9	4016	9.2	231414.0	+4607.8	4106	9.2	233102.2	+4635.1	4196	9.4	234520.6	+4658.0
3928	8.0	225850.5	+4644.5	4017	9.4	231422.7	+4659.4	4107	9.5	233105.0	+4615.0	4197	9.3	234544.6	+4614.5
3929	9.5	225851.6	+4652.8	4018	8.5	231445.4	+4658.1	4108	9.5	233121.7	+4636.2	4198	8.7	234546.4	+4620.4
3930	9.5	225903.3	+4606.5	4019	7.5	231450.8	+4633.3	4109	9.1	233142.6	+4614.9	4199	9.5	234553.1	+4615.8
3931	8.0	225957.3	+4608.3	4020	9.4	231509.4	+4659.9	4110	8.7	233156.8	+4645.3	4200	9.5	234605.9	+4605.8
3932	8.9	225958.4	+4645.2	4021	8.6	231534.7	+4600.6	4111	8.9	233207.3	+4638.8	4201	9.2	234618.5	+4655.3
3933	8.0	230001.6	+4609.3	4022	9.5	231541.0	+4635.7	4112	9.3	233209.3	+4640.2	4202	9.5	234621.8	+4608.6
3934	9.4	230007.3	+4634.5	4023	8.9	231545.7	+4626.4	4113	9.2	233218.3	+4645.3	4203	8.5	234626.1	+4641.8
3934a	9.5	230009.6	+4606.5	4024	9.5	231553.9	+4652.8	4114	8.8	233229.3	+4638.8	4204	9.5	234639.5	+4644.6
3935	9.5	230024.7	+4645.8	4025	8.1	231607.3	+4649.7	4115	8.8	233234.8	+4614.0	4205	9.0	234654.9	+4642.1
3936	9.4	230030.0	+4638.9	4026	9.5	231628.1	+4641.0	4116	9.0	233239.0	+4618.8	4206	9.3	234655.0	+4632.1
3937	9.5	230030.5	+4633.6	4027	9.2	231630.3	+4636.0	4117	8.6	233249.1	+4623.9	4207	8.0	234707.4	+4609.9
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3940	9.4	230108.3	+4609.5	4030	9.5	231713.3	+4608.3	4120	9.5	233307.2	+4602.6	4210	9.1	234737.1	+4605.5
3941	9.2	230115.5	+4619.5	4031	9.5	231716.0	+4602.0	4121	8.8	233307.4	+4605.1	4211	6.7	234749.1	+4656.3
3942	9.5	230130.0	+4645.9	4032	9.5	231722.7	+4641.1	4122	9.5	233320.1	+4617.9	4212	9.3	234756.7	+4620.0
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3946	9.5	230153.1	+4636.8	4036	9.3	231750.5	+4607.0	4126	9.5	233412.8	+4655.0	4216	8.9	234844.8	+4627.3
3947	8.9	230203.3	+4656.5	4037	9.2	231751.1	+4638.5	4127	7.0	233415.2	+4603.4	4217	8.4	234914.4	+4655.7
3948	8.7	230204.0	+4636.6	4038	9.2	231754.0	+4647.1	4128	8.5	233424.0	+4647.6	4218	9.0	234920.5	+4648.8
3949	9.2	230215.5	+4617.8	4039	9.5	231804.3	+4605.0	4129	9.5	233444.5	+4616.1	4219	9.0	234959.5	+4641.2
3950	9.4	230237.7	+4654.4	4040	9.5	231755.8	+4602.1	4130	9.5	233444.7	+4653.8	4220	9.0	235002.5	+4628.5
3951	9.5	230242.5	+4638.4	4041	8.5	231817.1	+4624.2	4131	9.2	233459.5	+4622.4	4221	9.5	235007.8	+4634.3
3952	9.0	230257.8	+4648.0	4042	9.2	231822.3	+4610.7	4132	8.0	233502.9	+4615.6	4222	9.2	235023.3	+4611.7
3953	9.5	230321.3	+4620.9	4043	9.2	231828.9	+4607.7	4133	8.5	233510.0	+4648.2	4223	9.0	235037.9	+4622.0
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3955	9.4	230331.9	+4630.4	4045	9.5	231908.7	+4646.6	4135	9.3	233518.3	+4642.4	4225	9.4	235213.0	+4630.9
3956	8.5	230333.8	+4647.5	4046	9.5	231939.9	+4611.0	4136	8.5	233520.5	+4656.6	4226	9.5	235214.6	+4648.8
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3958	9.5	230357.2	+4612.1	4048	8.7	232015.0	+4648.2	4138	9.3	233535.0	+4657.2	4228	9.0	235221.1	+4620.9
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3962	9.1	230450.7	+4606.7	4052	9.1	232056.9	+4653.7	4142	8.5	233608.0	+4613.2	4232	9.5	235257.0	+4614.8
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3965	8.5	230512.3	+4644.9	4055	8.8	232251.5	+4652.2	4145	8.9	233656.3	+4615.7	4235	9.5	235344.8	+4607.1
3966	9.1	230514.2	+4606.3	4056	8.5	232253.4	+4642.0	4146	9.5	233702.4	+4645.0	4236	9.5	235358.7	+4607.7
3967	9.2	230514.6	+4637.8	4057	9.0	232256.3	+4606.6	4147	9.0	233709.0	+4640.2	4237	9.0	235359.3	+4635.4
3968	9.5	230548.3	+4636.6	4058	9.2	232313.1	+4644.7	4148	9.2	233711.1	+4609.1	4238	9.5	235344.5	+4622.7
3969	9.3	230606.4	+4638.8	4059	9.0	232321.0	+4627.5	4149	9.5	233717.2	+4627.0	4239	7.8	235348.5	+4647.0
3970	9.2	230617.0	+4611.0	4060	9.0	232323.7	+4608.1	4150	9.2	233720.3	+4605.9	4240	9.5	235350.5	+4630.8
3971	9.5	230622.8	+4614.3	4061	9.5	232332.8	+4645.9	4151	9.2	233721.0	+4608.1	4241	7.2	235350.2	+4636.4
3972	9.5	230627.5	+4648.0	4062	9.5	232342.5	+4659.0	4152	9.5	233732.0	+4603.5	4242	9.5	235357.5	+4635.9
3973	9.5	230634.0	+4628.0	4063	8.4	232346.1	+4613.8	4153	9.5	233743.6	+4628.9	4243	9.2	235353.8	+4603.3
3974	9.0	230638.9	+4637.3	4064	8.6	232347.5	+4605.8	4154	8.3	233758.4	+4607.1	4244	8.0	235357.0	+4627.1
3975	9.5	230651.7	+4600.6	4065	9.5	232356.9	+4633.7	4155	9.1	233800.3	+4612.9	4245	9.0	235354.5	+4654.6
3976	9.5	230653.7	+4631.2	4066	9.5	232405.8	+4645.8	4156	9.4	233806.0	+4649.2	4246	9.4	235357.2	+4658.3
3977	9.5	230659.9	+4626.7	4067	9.5	232408.9	+4602.3	4157	9.5	233830.4	+4649.2	4247	9.2	235611.9	+4651.2
3978	8.7	230700.6	+4624.5	4068	8.9	232427.1	+4637.0	4158	9.5	233845.3	+4614.8	4248	9.5	235640.8	+4645.8
3979	9.5	230716.8	+4646.1	4069	8.5	232430.6	+4613.8	4159	9.1	233848.9	+4627.8	4249	9.3	235711.6	+4635.4
3980	9.5	230755.3	+4630.0	4070	9.0	232455.7	+4644.7	4160	9.5	233852.0	+4623.6	4250	9.5	235727.5	+4620.4
3981	8.5	230757.5	+4645.6	4071	9.5	232516.6	+4658.7	4161	9.3	233858.6	+4603.5	4251	8.5	235734.4	+4612.0
3982	9.5	230805.8	+4621.8	4072	9.5	232523.0	+4621.2	4162	9.4	233911.3	+4641.0	4252	9.5	235752.1	+4614.3
3983	9.3	230813.3	+4646.1	4073	9.5	232538.5	+4605.0	4163	9.5	233924.7	+4653.8	4253	9.5	235800.0	+4619.3
3984	9.5	230817.9	+4659.3	4074	7.0	232554.8	+4612.7	4164	9.0	233929.1	+4642.2	4254	8.4	235820.5	+4616.8
3985	9.1	230821.3	+4636.5	4075	9.3	232623.0	+4611.4	4165	9.3						

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9	9.2	00139.6	+4539.5	99	9.4	01934.3	+4507.2	189	9.5	03644.7	+4533.4	279	9.5	05908.7	+4522.3
10	9.3	00152.2	+4525.0	100	8.5	01936.6	+4545.1	190	7.8	03719.6	+4530.5	280	9.2	05956.1	+4558.0
11	7.0	00158.4	+4534.9	101	9.3	01941.5	+4519.4	191	9.5	03734.1	+4509.5	281	9.3	10014.7	+4551.6
12	8.9	00202.3	+4511.6	102	9.5	01945.7	+4535.6	192	8.6	03749.2	+4506.0	282	9.5	10020.8	+4530.8
13	9.5	00218.7	+4542.5	103	9.2	01947.4	+4528.8	193	9.1	03756.3	+4516.6	283	7.8	16036.6	+4510.1
14	9.4	00222.5	+4513.8	104	9.2	01952.5	+4551.2	194	9.4	03820.0	+4518.8	284	9.5	16113.6	+4548.8
15	9.2	00229.7	+4555.3	105	9.4	01958.9	+4505.0	195	9.5	03827.0	+4556.9	285	9.4	16117.2	+4540.1
16	7.7	00234.3	+4534.6	106	8.8	02001.5	+4545.3	196	9.5	03843.0	+4557.4	286	9.4	16120.6	+4517.5
17	5.2	00248.8	+4516.3	107	9.5	02019.3	+4501.2	197	9.5	03845.2	+4523.0	287	8.0	10150.5	+4512.2
18	9.5	00313.9	+4553.4	108	9.5	02029.2	+4557.3	198	9.5	03846.4	+4554.3	288	9.5	10202.0	+4543.5
19	9.1	00329.4	+4524.0	109	9.5	02040.0	+4517.2	199	7.5	03849.3	+4533.9	289	9.4	10212.3	+4502.0
20	9.2	00413.5	+4530.2	110	9.5	02054.6	+4540.2	200	9.4	03909.8	+4505.7	290	9.4	10245.6	+4528.0
21	9.4	00421.2	+4543.7	111	9.5	02058.1	+4517.5	201	9.2	03909.8	+4523.7	291	6.9	10248.6	+4524.9
22	9.5	00423.6	+4536.0	112	9.5	02116.0	+4530.1	202	8.3	03939.0	+4527.1	292	7.0	10251.7	+4551.6
23	8.7	00437.6	+4557.8	113	9.5	02125.9	+4544.4	203	9.5	03955.2	+4541.0	293	9.3	10302.6	+4520.6
24	8.0	00453.8	+4508.5	114	9.5	02136.3	+4520.9	204	9.5	04019.1	+4555.1	294	8.7	10323.9	+4510.0
25	9.5	00457.5	+4512.8	115	9.5	02200.6	+4548.8	205	9.5	04024.4	+4501.0	295	9.4	10329.1	+4503.5
26	7.0	00514.1	+4517.9	116	8.6	02203.1	+4535.1	206	9.5	04043.4	+4544.4	296	9.5	10333.2	+4504.7
27	8.8	00533.9	+4559.7	117	9.2	02205.3	+4517.6	207	9.4	04100.9	+4536.2	297	9.3	10478.6	+4525.0
28	9.5	00547.8	+4548.5	118	9.5	02209.8	+4527.0	208	8.7	04113.7	+4500.8	298	9.5	10471.3	+4510.5
29	8.5	00548.1	+4527.1	119	8.5	02222.2	+4509.1	209	7.0	04126.1	+4542.6	299	9.3	10563.1	+4504.5
30	9.5	00548.1	+4537.5	120	9.5	02236.0	+4549.2	210	9.5	04139.1	+4553.2	300	9.3	10507.1	+4529.4
31	9.5	00553.0	+4534.3	121	9.5	02249.6	+4505.7	211	9.5	04145.8	+4553.8	301	8.0	10513.0	+4553.2
32	9.2	00554.5	+4536.6	122	8.5	02301.1	+4547.2	212	9.5	04201.3	+4559.9	302	8.9	10544.2	+4518.6
33	9.2	00619.6	+4559.6	123	9.4	02351.4	+4552.0	213	9.4	04202.5	+4552.7	303	8.0	10631.5	+4551.7
34	9.4	00622.4	+4550.6	124	7.6	02357.2	+4507.3	214	9.4	04247.6	+4514.8	304	9.2	10717.6	+4540.3
35	9.3	00624.8	+4546.8	125	9.4	02402.5	+4533.6	215	7.1	04253.1	+4555.7	305	9.5	10721.7	+4537.9
36	9.4	00639.9	+4523.9	126	9.4	02407.2	+4553.9	216	9.5	04300.7	+4543.7	306	9.5	10754.6	+4530.4
37	9.5	00701.1	+4501.7	127	8.8	02409.3	+4547.1	217	9.4	04314.4	+4511.9	307	9.5	10802.6	+4512.2
38	8.6	00718.2	+4559.3	128	9.2	02410.0	+4541.0	218	9.5	04333.9	+4551.8	308	9.1	10804.2	+4543.7
39	9.3	00730.7	+4544.7	129	9.3	02423.2	+4520.6	219	9.5	04345.5	+4543.7	309	9.3	10837.7	+4516.2
40	9.2	00736.9	+4558.8	130	9.3	02426.0	+4516.2	220	9.4	04351.3	+4547.8	310	9.5	10859.8	+4529.4
41	8.6	00742.0	+4547.8	131	9.5	02434.8	+4525.9	221	9.3	04357.4	+4501.8	311	9.5	10904.8	+4508.3
42	9.4	00757.2	+4543.8	132	9.5	02445.4	+4554.8	222	9.5	04411.2	+4543.2	312	9.2	10935.6	+4542.2
43	9.4	00808.5	+4505.4	133	9.4	02458.8	+4528.3	223	8.2	04417.7	+4500.8	313	9.1	10958.4	+4522.0
44	9.1	00822.6	+4537.9	134	8.5	02504.5	+4558.5	224	9.0	04435.4	+4525.9	314	9.5	11019.3	+4532.7
45	8.7	00824.6	+4521.9	135	8.5	02507.9	+4553.8	225	9.1	04443.0	+4516.4	315	9.0	11056.7	+4535.1
46	9.0	00827.2	+4559.0	136	9.5	02513.6	+4538.0	226	9.4	04509.8	+4523.4	316	9.5	11115.1	+4515.1
47	9.0	00907.1	+4535.2	137	9.5	02515.8	+4532.4	227	7.8	04512.4	+4548.4	317	9.1	11156.1	+4515.7
48	7.5	00916.1	+4549.1	138	9.5	02521.8	+4532.4	228	8.2	04529.2	+4501.6	318	9.4	11209.1	+4529.1
49	9.5	00951.4	+4506.4	139	9.5	02524.0	+4509.3	229	9.4	04631.7	+4503.0	319	9.0	11211.1	+4534.8
50	9.5	00955.6	+4543.6	140	9.4	02533.2	+4535.4	230	8.6	04645.3	+4532.5	320	8.7	11212.1	+4534.6
51	9.5	01019.0	+4518.6	141	9.0	02538.0	+4532.1	231	9.5	04719.7	+4523.5	321	9.4	11218.5	+4510.1
52	7.0	01030.7	+4524.1	142	9.3	02551.8	+4520.8	232	8.8	04741.4	+4509.0	322	9.5	11231.7	+4559.1
53	9.5	01035.1	+4537.8	143	9.3	02616.6	+4559.9	233	9.5	04749.0	+4543.5	323	9.5	11241.8	+4516.7
54	9.1	01046.6	+4533.9	144	9.5	02621.7	+4525.0	234	7.6	04802.5	+4552.4	324	9.4	11243.6	+4523.8
55	8.9	01059.1	+4534.3	145	9.5	02623.5	+4554.9	235	9.5	04805.7	+4512.2	325	9.5	11307.1	+4512.8
56	9.5	01125.2	+4554.0	146	9.5	02649.0	+4521.7	236	9.5	04807.4	+4549.1	326	9.5	11310.4	+4527.5
57	9.2	01131.6	+4521.4	147	8.9	02701.9	+4538.8	237	6.1	04928.5	+4503.4	327	9.5	11311.9	+4503.8
58	9.3	01203.1	+4542.7	148	9.5	02722.0	+4538.8	238	9.5	04930.1	+4509.0	328	9.5	11318.8	+4559.8
59	9.4	01205.0	+4550.9	149	9.5	02748.6	+4552.4	239	9.2	04936.2	+4533.7	329	9.5	11338.6	+4510.8
60	9.5	01205.3	+4505.8	150	9.4	02803.4	+4547.1	240	9.4	04944.9	+4533.5	330	9.5	11428.7	+4538.4
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62	9.1	01301.2	+4544.6	152	9.5	02837.9	+4534.1	242	9.5	04952.1	+4523.0	332	9.5	11449.2	+4557.6
63	9.3	01306.0	+4548.5	153	9.5	02843.0	+4525.2	243	9.4	04955.2	+4518.7	333	8.8	11456.9	+4500.0
64	8.2	01315.9	+4540.8	154	9.5	02846.9	+4512.9	244	9.3	05013.6	+4552.1	334	9.5	11501.2	+4520.0
65	9.1	01318.3	+4543.2	155	9.5	02924.1	+4503.4	245	9.5	05031.6	+4520.8	335	9.5	11612.4	+4559.9
66	9.5	01320.1	+4507.0	156	9.5	02928.1	+4558.2	246	9.5	05047.5	+4503.9	336	9.5	11658.0	+4531.7
67	9.4	01341.8	+4553.1	157	9.5	02929.8	+4527.8	247	9.4	05122.9	+4535.9	337	9.4	11657.6	+4515.5
68	9.5	01348.1	+4523.7	158	9.5	02939.0	+4522.4	248	9.3	05144.8	+4554.0	338	9.5	11720.0	+4520.9
69	8.3	01352.1	+4530.9	159	8.7	02939.3	+4541.2	249	9.4	05210.8	+4509.2	339	9.4	11737.5	+4500.5
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74	9.1	01503.6	+4525.9	164	8.9	03045.7	+4528.6	254	9.4	05304.6	+4513.9	344	9.5	11901.2	+4521.2
75	9.4	01528.1	+4507.7	165	8.9	03053.8	+4528.6	255	9.5	05310.0	+4512.2	345	9.1	11905.0	+4547.1
76	9.0	01540.2	+4544.6	166	9.5	03117.1	+4550.8	256	9.5	05323.1	+4545.8	346	9.5	11935.8	+4515.9
77	9.3	01541.9	+4522.3	167	9.2	03127.6	+4505.6	257	8.8	05329.7	+4548.8	347	9.5	11936.9	+4530.4
78	9.5	01550.5	+4509.8	168	8.7	03131.0	+4516.7	258	9.5	05345.0	+4505.2	348	9.5	11944.3	+4521.3
79	9.5	01601.6	+4520.2	169	9.1	03141.2	+4555.2	259	9.5	05350.0	+4528.3	349	9.2	11945.9	+4554.5
80	8.9	01604.4	+4546.7	170	9.5	03145.3	+4531.2	260	9.5	05405.7	+4556.3	350	9.5	11946.8	+4559.5
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82	9.0	01620.5	+4529.3	172	8.5	03156.6	+4545.7	262	9.4	05451.5	+4538.2	352	9.5	12012.0	+4508.2
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84	9.3	01659.4	+4530.2	174	8.1	03229.5	+4528.0	264	9.5	05452.8	+4505.3	354	9.5	12035.9	+4506.6
85	8.8	01712.5	+4514.0	175	9.5	03302.4	+4526.1	265	9.5	05455.7	+4507.0	355	9.2	12044.7	+4517.1
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2900	9.4	192241.6	+4519.1	2990	9.2	194709.2	+4509.4	3080	7.9	200619.0	+4510.2	3168	9.5	201927.9	+4543.8
2901	9.2	192306.0	+4549.9	2991	9.5	194710.1	+4517.5	3081	9.5	200631.0	+4529.2	3169	9.3	201932.0	+4529.7
2902	9.3	192308.0	+4553.6	2992	9.3	194711.4	+4522.6	3082	8.9	200633.9	+4546.7	3170	8.9	201947.6	+4548.6
2903	8.7	192324.5	+4553.2	2993	9.4	194743.8	+4521.8	3083	9.5	200636.5	+4548.4	3171	8.8	201948.2	+4509.2
2904	9.3	192425.7	+4537.4	2994	9.0	194747.6	+4522.3	3084	8.1	200648.0	+4516.6	3172	9.4	201955.3	+4500.0
2905	9.0	192427.1	+4559.4	2995	9.1	194812.9	+4519.4	3085	9.3	200648.0	+4551.3	3173	8.7	202017.5	+4543.6
2906	8.6	192428.2	+4544.9	2996	9.2	194816.1	+4508.9	3086	8.5	200657.1	+4500.3	3174	9.4	202026.8	+4519.7
2907	9.5	192443.1	+4520.1	2997	9.5	194833.4	+4540.4	3087	9.4	200701.3	+4500.6	3175	9.3	202037.0	+4559.9
2908	9.2	192446.4	+4557.1	2998	9.5	194838.8	+4531.4	3088	9.5	200716.9	+4511.8	3176	9.4	202044.1	+4547.9
2909	8.8	192511.5	+4511.7	2999	9.2	194858.5	+4545.9	3089	9.5	200720.8	+4532.4	3177	9.4	202103.8	+4504.2
2910	9.0	192533.9	+4534.0	3000	9.4	194859.7	+4556.1	3090	9.5	200723.0	+4531.4	3178	9.5	202134.4	+4513.8
2911	9.4	191540.2	+4513.5	3001	7.8	194914.2	+4505.4	3091	9.0	200726.0	+4551.2	3179	9.0	202146.5	+4547.0
2912	8.3	191541.6	+4509.6	3002	9.0	194915.4	+4545.1	3092	8.5	200729.7	+4553.7	3180	9.5	202157.4	+4519.0
2913	7.0	191554.0	+4551.4	3003	9.1	194917.0	+4549.0	3093	9.3	200733.5	+4510.2	3181	9.5	202209.5	+4516.9
2914	8.5	192618.9	+4518.5	3004	9.2	194917.5	+4500.2	3094	9.5	200740.9	+4509.8	3182	9.5	202215.0	+4542.7
2915	9.3	192548.5	+4541.0	3005	9.4	194921.0	+4526.5	3095	9.2	200758.8	+4559.0	3183	9.5	202217.9	+4513.9
2916	9.4	192702.3	+4547.9	3006	9.5	194932.8	+4500.9	3096	9.2	200759.7	+4504.6	3184	8.6	202221.0	+4548.8
2917	9.5	192705.4	+4503.3	3007	8.2	194947.7	+4537.8	3097	9.5	200812.8	+4522.0	3185	8.4	202223.5	+4512.3
2918	8.5	192714.9	+4544.5	3008	9.4	194953.6	+4550.0	3098	9.4	200820.0	+4542.2	3186	8.6	202223.7	+4501.4
2919	9.0	192720.2	+4547.9	3009	9.4	195000.5	+4520.0	3099	9.5	200833.5	+4522.7	3187	9.4	202237.0	+4520.2
2920	7.2	192846.7	+4544.4	3010	8.4	195001.8	+4537.1	3100	9.5	200840.5	+4502.7	3188	9.5	202256.5	+4557.0
2921	9.5	192852.1	+4548.9	3011	9.5	195017.9	+4526.1	3101	8.0	200913.5	+4540.6	3189	9.5	202312.3	+4514.3
2922	9.3	192911.0	+4539.0	3012	9.5	195111.7	+4516.0	3102	9.1	200914.4	+4513.1	3190	9.5	202333.4	+4550.7
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2931	9.5	193218.8	+4559.7	3021	9.0	195328.1	+4546.4	3111	9.5	201032.2	+4501.2	3199	9.0	202533.5	+4531.7
2932	9.3	193223.0	+4523.1	3022	8.4	195352.6	+4500.6	3112	8.7	201035.1	+4508.8	3200	9.5	202542.6	+4517.0
2933	9.5	193241.7	+4559.4	3023	9.3	195418.8	+4559.1	3113	7.1	201037.2	+4518.0	3201	9.3	202603.2	+4551.3
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2943	9.5	193524.3	+4541.5	3033	9.3	195602.4	+4548.2	3123	9.3	201204.4	+4556.7	3211	9.4	202735.7	+4505.4
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+45 3598 21h30m

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+45 3599 21h30m

+45 3958 22h23m

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3687 9.5 214347.5 +4516.6	3777 8.1 215824.8 +4539.0	3867 9.2 221149.7 +4537.5	3957 9.4 222338.5 +4510.6
3688 9.2 214347.6 +4544.8	3778 9.3 215834.5 +4509.8	3868 9.4 221154.6 +4554.7	3958 8.0 222345.6 +4500.3

+45 3959 22h23m

+45 4318 23h37m

3959	9.5	222356.1	+4515.7	4049	9.5	224035.0	+4549.6	4139	8.8	225903.2	+4530.7	4229	9.5	232043.3	+4535.4
3960	7.5	222408.6	+4540.6	4050	8.9	224046.0	+4515.3	4140	9.0	225921.4	+4518.7	4230	9.5	232053.9	+4554.5
3961	9.5	222435.0	+4515.6	4051	7.5	224103.5	+4526.9	4141	9.5	225932.9	+4554.3	4231	9.5	232057.1	+4520.7
3962	9.5	222438.1	+4520.2	4052	9.2	224107.8	+4546.3	4142	9.1	225945.2	+4515.4	4232	9.4	232103.5	+4509.6
3963	8.5	222439.0	+4536.2	4053	9.5	224113.9	+4535.0	4143	9.5	230007.8	+4518.4	4233	9.5	232128.6	+4506.6
3964	8.0	222440.6	+4546.8	4054	8.2	224116.2	+4559.1	4144	9.2	230027.6	+4520.9	4234	8.3	232133.1	+4548.5
3965	9.5	222500.3	+4519.9	4055	9.5	224118.0	+4502.5	4145	9.5	230029.0	+4505.9	4235	8.9	232135.7	+4557.9
3966	9.5	222512.5	+4545.3	4056	9.5	224123.3	+4523.7	4146	9.1	230033.5	+4521.0	4236	9.2	232140.3	+4509.2
3967	9.4	222521.4	+4556.9	4057	8.0	224134.3	+4540.6	4147	6.5	230041.9	+4518.0	4237	9.5	232150.0	+4528.7
3968	9.5	222522.5	+4519.7	4058	8.9	224146.0	+4529.0	4148	9.4	230048.8	+4538.0	4238	8.9	232158.5	+4543.2
3969	9.4	222531.5	+4554.5	4059	9.4	224158.5	+4529.8	4149	5.5	230102.9	+4536.4	4239	9.5	232218.0	+4507.0
3970	9.5	222545.9	+4555.3	4060	9.1	224202.6	+4553.7	4150	9.4	230128.5	+4556.5	4240	9.1	232231.4	+4547.6
3971	9.5	222601.9	+4534.8	4061	9.1	224205.5	+4519.2	4151	9.3	230134.6	+4534.4	4241	7.0	232232.1	+4540.0
3972	9.5	222607.1	+4511.5	4062	8.5	224226.3	+4536.1	4152	9.2	230154.5	+4549.8	4242	9.0	232311.0	+4505.0
3973	4.0	222612.4	+4504.8	4063	9.5	224234.6	+4534.7	4153	9.1	230211.3	+4559.3	4243	8.0	232313.8	+4540.1
3974	8.3	222613.3	+4548.9	4064	9.3	224244.0	+4546.7	4154	9.3	230213.9	+4540.6	4244	9.5	232319.6	+4551.2
3975	5.5	222630.6	+4537.2	4065	8.5	224259.0	+4508.1	4155	9.5	230227.5	+4538.9	4245	9.1	232343.5	+4540.0
3976	5.5	222634.0	+4531.5	4066	9.2	224307.8	+4500.8	4156	8.9	230231.0	+4529.4	4246	8.0	232346.0	+4521.3
3977	9.2	222636.5	+4550.8	4067	9.4	224314.5	+4516.8	4157	9.1	230329.7	+4513.8	4247	9.1	232412.9	+4514.5
3978	8.0	222649.0	+4509.6	4068	9.5	224321.2	+4550.4	4158	9.5	230332.2	+4521.1	4248	8.8	232414.1	+4525.9
3979	8.0	222650.6	+4519.7	4069	9.4	224331.5	+4533.9	4159	9.2	230340.6	+4511.9	4249	9.5	232432.0	+4501.1
3980	9.4	222708.6	+4557.5	4070	9.5	224345.2	+4525.0	4160	9.5	230347.4	+4507.3	4250	9.5	232447.6	+4542.0
3981	7.9	222710.2	+4522.4	4071	9.5	224348.7	+4512.7	4161	7.8	230358.3	+4535.0	4251	7.8	232459.9	+4558.8
3982	9.4	222717.0	+4507.3	4072	9.5	224358.2	+4539.2	4162	9.4	230419.5	+4508.5	4252	7.0	232501.3	+4506.0
3983	7.0	222728.8	+4549.4	4073	9.5	224521.7	+4534.2	4163	8.5	230436.2	+4555.2	4253	9.5	232504.0	+4520.2
3984	9.0	222734.5	+4521.7	4074	7.0	224527.6	+4558.0	4164	9.5	230533.4	+4522.1	4254	9.5	232504.0	+4518.8
3985	8.7	222755.4	+4510.5	4075	9.2	224537.8	+4536.0	4165	9.5	230535.7	+4533.9	4255	9.4	232533.1	+4525.8
3986	9.4	222833.5	+4511.2	4076	8.9	224542.5	+4502.3	4166	9.5	230557.4	+4558.0	4256	9.2	232539.3	+4544.8
3987	9.5	222839.5	+4553.0	4077	9.5	224600.0	+4515.5	4167	8.5	230605.5	+4549.4	4257	9.2	232542.6	+4559.7
3988	9.5	222921.7	+4503.8	4078	6.5	224624.5	+4547.3	4168	9.0	230613.1	+4550.5	4258	9.2	232551.7	+4521.2
3989	9.5	222924.2	+4525.8	4079	9.4	224643.2	+4554.2	4169	8.8	230625.0	+4535.0	4259	7.0	232557.2	+4519.5
3990	9.5	222927.1	+4534.8	4080	9.5	224700.9	+4502.2	4170	9.5	230625.9	+4546.1	4260	9.2	232559.5	+4517.2
3991	9.5	222944.0	+4531.7	4081	9.0	224738.1	+4530.3	4171	9.5	230632.0	+4503.1	4261	9.4	232619.2	+4555.5
3992	9.1	222956.4	+4533.0	4082	8.7	224749.2	+4521.8	4172	9.5	230632.5	+4529.2	4262	7.0	232649.7	+4552.8
3993	8.3	223002.9	+4546.4	4083	9.2	224816.0	+4535.7	4173	8.5	230639.4	+4516.0	4263	9.5	232704.6	+4522.7
3994	9.5	223006.6	+4517.7	4084	9.5	224839.7	+4515.6	4174	8.2	230712.5	+4553.9	4264	9.5	232705.5	+4525.9
3995	9.3	223015.3	+4533.5	4085	9.5	224839.8	+4506.8	4175	8.0	230725.2	+4520.5	4265	9.5	232725.3	+4502.3
3996	8.5	223032.3	+4529.0	4086	8.7	224846.5	+4542.5	4176	9.5	230745.9	+4514.9	4266	9.5	232726.9	+4556.8
3997	9.4	223036.0	+4535.7	4087	9.5	224847.0	+4548.8	4177	9.5	230814.5	+4544.7	4267	9.5	232740.7	+4550.0
3998	9.0	223048.1	+4512.2	4088	7.8	224848.4	+4536.3	4178	9.5	230817.0	+4509.4	4268	9.5	232744.6	+4546.2
3999	9.5	223105.0	+4534.0	4089	8.5	224904.9	+4553.4	4179	7.1	230819.7	+4545.0	4269	9.1	232745.3	+4517.0
4000	9.5	223115.1	+4512.2	4090	9.5	224925.3	+4507.2	4180	9.4	230826.1	+4544.7	4270	9.4	232751.2	+4519.2
4001	9.2	223143.0	+4522.3	4091	9.5	224928.7	+4524.3	4181	9.5	230832.4	+4550.7	4271	9.3	232754.6	+4515.1
4002	7.0	223159.0	+4504.8	4092	9.5	224930.5	+4517.7	4182	9.0	230846.7	+4547.2	4272	9.0	232755.5	+4519.0
4003	9.1	223201.5	+4547.1	4093	8.0	224935.2	+4555.1	4183	9.0	230906.5	+4549.5	4273	9.0	232809.7	+4532.6
4004	8.0	223208.0	+4557.6	4094	8.4	224941.8	+4501.2	4184	9.5	231024.0	+4546.5	4274	9.5	232818.2	+4531.1
4005	8.8	223230.0	+4547.2	4095	9.3	224955.4	+4535.1	4185	9.5	231035.9	+4542.6	4275	8.9	232838.1	+4531.2
4006	9.3	223239.1	+4544.9	4096	9.3	224957.8	+4540.3	4186	9.3	231114.2	+4506.5	4276	9.5	232915.9	+4531.0
4007	9.4	223252.2	+4543.0	4097	9.5	225019.5	+4508.0	4187	9.5	231132.0	+4541.1	4277	9.5	232924.5	+4539.9
4008	9.0	223302.5	+4515.5	4098	9.5	225036.6	+4559.5	4188	9.5	231133.3	+4533.2	4278	9.5	232945.7	+4555.5
4009	8.5	223319.7	+4517.6	4099	9.4	225048.4	+4511.9	4189	8.4	231138.2	+4559.5	4279	9.5	232953.0	+4500.2
4010	9.5	223326.8	+4502.5	4100	9.5	225102.3	+4513.0	4190	8.4	231147.3	+4557.7	4280	8.5	232953.3	+4523.5
4011	9.1	223348.3	+4521.5	4101	9.5	225105.5	+4546.8	4191	8.7	231147.9	+4553.9	4281	9.4	232955.0	+4516.0
4012	9.5	223422.5	+4537.7	4102	9.5	225206.8	+4507.5	4192	9.3	231208.9	+4506.7	4282	8.0	233003.1	+4528.9
4013	8.7	223434.5	+4545.4	4103	9.5	225208.5	+4520.8	4193	9.1	231224.0	+4558.2	4283	3.5	233029.3	+4540.6
4014	8.7	223439.8	+4526.9	4104	8.0	225221.0	+4534.6	4194	8.8	231225.7	+4536.7	4284	9.5	233035.2	+4550.0
4015	9.1	223447.6	+4524.9	4105	9.1	225225.7	+4557.1	4195	8.5	231235.2	+4522.5	4285	8.5	233035.7	+4518.5
4016	9.5	223447.9	+4506.9	4106	9.0	225228.9	+4529.1	4196	9.5	231318.5	+4537.0	4286	8.0	233042.4	+4516.3
4017	8.9	223449.6	+4553.3	4107	8.9	225244.5	+4536.9	4197	9.0	231324.7	+4508.3	4287	9.5	233045.5	+4531.1
4018	8.1	223512.3	+4533.1	4108	9.5	225255.3	+4501.8	4198	9.1	231348.2	+4522.6	4288	6.8	233050.4	+4523.9
4019	8.7	223518.9	+4541.7	4109	8.4	225307.6	+4516.7	4199	9.5	231419.0	+4517.4	4289	9.1	233109.6	+4558.2
4020	9.5	223537.6	+4544.3	4110	9.4	225323.5	+4524.2	4200	9.0	231423.9	+4504.7	4290	9.5	233130.5	+4548.6
4021	9.2	223538.5	+4517.9	4111	9.5	225328.6	+4540.6	4201	9.3	231431.1	+4508.7	4291	9.2	233159.8	+4520.6
4022	9.5	223555.5	+4534.3	4112	9.4	225328.6	+4508.6	4202	9.5	231448.5	+4559.6	4292	9.0	233205.1	+4537.8
4023	9.5	223556.5	+4545.7	4113	9.4	225350.9	+4554.2	4203	9.5	231507.4	+4545.7	4293	8.7	233221.5	+4550.4
4024	9.5	223606.0	+4550.4	4114	8.5	225405.0	+4515.3	4204	8.9	231535.1	+4544.3	4294	9.2	233223.3	+4530.4
4025	9.5	223609.9	+4556.4	4115	8.8	225408.7	+4539.4	4205	9.5	231552.6	+4551.2	4295	8.9	233230.7	+4512.9
4026	9.5	223612.4	+4512.5	4116	9.5	225417.2	+4547.8	4206	9.5	231642.5	+4512.2	4296	9.0	233234.3	+4551.3
4027	9.5	223613.0	+4550.7	4117	8.8	225420.6	+4543.7	4207	9.4	231648.5	+4543.7	4297	9.5	233240.9	+4526.0
4028	9.3	223616.9	+4504.6	4118	9.5	225431.8	+4503.8	4208	8.1	231649.0	+4534.5	4298	9.5	233247.3	+4559.4
4029	9.5	223623.0	+4558.9	4119	8.5	225452.4	+4551.5	4209	9.2	231705.0	+4535.9	4299	9.0	233309.7	+4555.1
4030	9.5	223625.2	+4515.7	4120	9.3	225507.9	+4558.0	4210	8.4	231721.0	+4511.4	4300	9.4	233349.1	+4532.4
4031	9.5	223701.6	+4522.9	4121	9.5	225513.3	+4506.5								

+45 4319 23h38m

+44 259 1h03m

4319 9.2 233820.2 +4510.9	4409 9.5 235804.8 +4526.7	81 9.5 01623.8 +4423.1	171 9.1 04048.3 +4441.5
4320 9.5 233851.0 +4513.3	4410 8.3 235805.5 +4550.4	82 9.5 01627.1 +4438.5	172 9.5 04122.1 +4440.7
4321 5.2 233853.2 +4536.7	4411 9.2 235827.8 +4529.1	83 9.3 01629.3 +4457.3	173 9.5 04132.7 +4437.7
4322 8.8 233859.7 +4533.3	4412 9.5 235832.5 +4550.0	84 9.5 01630.3 +4431.1	174 9.5 04137.5 +4437.8
4323 8.6 233936.8 +4551.4	4413 9.2 235835.6 +4507.4	85 8.9 01718.9 +4453.2	175 9.4 04148.8 +4448.4
4324 7.7 233945.2 +4524.5	4414 9.0 235845.3 +4513.3	86 8.8 01725.5 +4452.9	176 6.8 04212.9 +4412.5
4325 8.0 234024.5 +4512.9	4415 9.1 235908.8 +4540.4	87 9.5 01736.1 +4409.4	177 9.3 04218.0 +4410.9
4326 9.5 234028.7 +4546.0	4416 9.5 235915.3 +4551.8	88 9.1 01749.2 +4438.8	178 9.1 04222.7 +4404.6
4327 9.4 234048.2 +4508.6	4417 9.1 235932.9 +4520.5	89 9.3 01810.2 +4417.3	179 9.4 04222.7 +4412.8
4328 9.5 234048.2 +4508.0	4418 7.7 235943.4 +4556.2	90 9.3 01858.1 +4444.1	180 9.3 04228.1 +4410.0
4329 9.5 234052.7 +4503.7	1 9.1 00017.8 +4419.0	91 9.3 01915.1 +4452.4	181 9.3 04317.5 +4430.3
4330 8.5 234057.2 +4504.9	2 9.2 00038.4 +4405.5	92 9.1 01928.9 +4442.2	182 9.3 04401.3 +4424.5
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4332 9.5 234108.5 +4512.5	4 9.0 00043.2 +4404.0	94 8.2 02016.5 +4456.0	184 9.5 04427.4 +4405.1
4333 9.5 234108.5 +4553.3	5 8.9 00058.3 +4412.5	95 7.9 02034.2 +4425.3	185 8.2 04432.1 +4420.9
4334 9.5 234123.0 +4545.5	6 8.2 00100.8 +4409.9	96 9.3 02040.3 +4438.9	186 8.6 04437.3 +4439.2
4335 8.5 234125.1 +4527.1	7 9.1 00101.3 +4416.6	97 8.5 02054.0 +4458.7	187 9.5 04500.5 +4458.1
4336 9.3 234220.0 +4555.5	8 9.5 00108.5 +4433.5	98 9.1 02123.6 +4411.9	188 9.2 04509.9 +4412.3
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4342 9.5 234312.0 +4517.3	14 9.5 00246.7 +4449.3	104 9.5 02306.0 +4459.5	194 8.9 04703.9 +4411.5
4343 9.0 234317.5 +4553.1	15 9.5 00256.9 +4434.0	105 9.0 02354.3 +4416.3	195 7.5 04718.2 +4417.7
4344 9.5 234334.0 +4551.2	16 8.4 00310.7 +4418.9	106 9.5 02357.0 +4416.8	196 8.5 04745.8 +4453.0
4345 9.5 234345.2 +4528.6	17 9.4 00320.5 +4424.2	107 9.3 02404.5 +4422.4	197 9.2 04753.7 +4451.5
4346 9.2 234345.3 +4513.5	18 9.0 00328.1 +4459.0	108 9.5 02425.0 +4413.8	197a 9.4 04758.5 +4426.0
4347 9.5 234517.6 +4500.5	19 9.5 00351.0 +4425.3	109 9.4 02431.8 +4416.3	198 9.1 04816.9 +4425.6
4348 9.2 234535.8 +4540.7	20 8.8 00353.7 +4415.9	110 8.8 02434.6 +4405.9	199 9.5 04817.8 +4453.9
4349 7.7 234536.9 +4541.8	21 9.2 00406.8 +4409.9	111 9.4 02443.7 +4450.0	200 9.3 04841.3 +4455.5
4350 9.4 234607.7 +4519.1	22 8.8 00426.0 +4444.8	112 9.1 02447.6 +4405.8	201 9.5 04848.7 +4415.5
4351 8.4 234627.9 +4559.1	23 9.4 00501.0 +4439.6	113 9.4 02515.0 +4454.2	202 8.5 04851.5 +4448.5
4352 8.8 234629.5 +4538.2	24 9.5 00504.6 +4401.8	114 8.3 02542.5 +4420.1	203 9.5 04919.8 +4423.7
4353 9.3 234642.2 +4508.3	25 9.4 00505.7 +4437.5	115 9.5 02551.7 +4455.7	204 9.5 04936.0 +4458.8
4354 9.3 234642.5 +4500.7	26 9.5 00510.4 +4414.7	116 8.8 02602.4 +4422.0	205 9.2 04950.5 +4432.4
4355 9.5 234658.4 +4533.7	27 9.4 00517.5 +4442.2	117 9.4 02624.1 +4456.7	206 7.5 05004.8 +4448.1
4356 9.5 234703.5 +4514.0	28 9.3 00518.0 +4422.8	118 8.9 02629.7 +4416.3	207 9.5 05022.7 +4422.0
4357 8.7 234712.5 +4558.4	29 9.4 00522.0 +4417.1	119 9.5 02641.7 +4411.6	208 8.1 05031.7 +4409.9
4358 8.7 234715.2 +4508.4	30 9.2 00532.0 +4439.0	120 9.5 02709.3 +4420.6	209 9.5 05041.9 +4401.4
4359 9.5 234752.0 +4512.9	31 9.5 00535.8 +4402.8	121 9.5 02716.0 +4428.4	210 9.5 05045.4 +4407.9
4360 9.1 234811.9 +4515.1	32 9.5 00537.1 +4443.1	122 9.2 02718.6 +4402.1	211 9.4 05102.3 +4451.6
4361 9.5 234817.4 +4556.9	33 9.5 00546.7 +4456.7	123 9.4 02723.0 +4409.5	212 9.5 05136.2 +4435.6
4362 9.5 234818.5 +4513.1	34 9.5 00555.0 +4453.2	124 9.4 02726.2 +4439.2	213 9.0 05221.0 +4427.5
4363 6.7 234819.5 +4533.1	35 9.5 00559.3 +4459.9	125 9.5 02746.7 +4442.0	214 9.5 05244.8 +4417.6
4364 9.5 234832.3 +4559.9	36 9.3 00602.4 +4422.5	126 9.2 02859.0 +4401.7	215 7.2 05303.7 +4439.7
4365 8.5 234844.5 +4558.9	37 9.5 00604.1 +4441.8	127 9.4 02909.4 +4447.9	216 9.2 05314.5 +4400.2
4366 8.0 234904.3 +4515.7	38 9.4 00626.5 +4408.4	128 8.5 02943.2 +4447.9	217 9.5 05348.8 +4448.5
4367 8.2 234906.8 +4511.8	39 9.5 00627.5 +4403.3	129 9.2 02951.6 +4411.4	218 9.5 05354.9 +4452.0
4368 9.2 234926.6 +4551.6	40 8.9 00631.4 +4417.5	130 9.4 03009.3 +4439.6	219 9.3 05416.7 +4422.9
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+44 1336 5h50m

+44 1337 5h51m

+44 1696 7h48m

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+44 2771 17h43m

+44 2772 17h43m

2772	7.2	174345.7	+4408.7	2861	9.0	181115.4	+4413.0	2951	9.4	183357.1	+4452.7	3041	9.5	185656.2	+4457.1
2773	8.0	174424.7	+4453.5	2862	9.5	181152.8	+4447.7	2952	9.5	183400.3	+4434.2	3042	7.2	185658.1	+4410.3
2774	9.0	174456.2	+4444.5	2863	8.8	181158.3	+4419.6	2953	9.0	183440.8	+4439.8	3043	9.5	185700.6	+4442.4
2775	9.2	174520.3	+4459.9	2864	9.3	181203.9	+4405.6	2954	9.3	183442.3	+4439.0	3044	9.5	185705.5	+4422.9
2776	9.5	174604.7	+4444.7	2865	9.3	181204.8	+4434.6	2955	9.5	183506.3	+4419.4	3045	9.5	185711.8	+4445.3
2777	7.5	174614.5	+4432.1	2866	8.8	181206.1	+4413.8	2956	9.3	183534.9	+4412.0	3046	9.5	185728.4	+4448.2
2778	9.3	174622.9	+4434.8	2867	9.4	181211.4	+4441.7	2957	9.4	183541.7	+4447.7	3047	9.3	185749.5	+4453.1
2779	9.4	174639.2	+4428.7	2868	9.5	181250.7	+4417.7	2958	9.5	183545.8	+4456.6	3048	9.5	185821.5	+4401.6
2780	7.2	174656.9	+4456.9	2869	9.1	181322.5	+4425.9	2959	9.5	183603.8	+4411.0	3049	9.1	185832.6	+4443.3
2781	9.1	174716.7	+4450.1	2870	9.2	181328.5	+4414.4	2960	9.3	183615.7	+4448.7	3050	9.0	185833.1	+4445.0
2782	9.1	174721.7	+4441.1	2871	9.4	181340.9	+4437.4	2961	8.6	183624.3	+4450.2	3051	9.4	185851.6	+4414.0
2783	8.8	174751.7	+4409.4	2872	9.2	181357.7	+4407.1	2962	9.0	183630.5	+4432.5	3052	9.4	185912.2	+4411.7
2784	9.5	174756.5	+4421.5	2873	9.5	181439.3	+4424.1	2963	7.5	183643.5	+4407.6	3053	9.3	185915.9	+4415.5
2785	8.4	174802.0	+4442.0	2874	9.5	181456.3	+4430.3	2964	9.5	183644.0	+4418.4	3054	9.5	185931.5	+4404.1
2786	9.2	174804.2	+4423.0	2875	8.5	181500.3	+4401.3	2965	9.5	183648.6	+4442.5	3055	9.5	190002.1	+4449.7
2787	9.1	174808.0	+4438.7	2876	9.2	181503.9	+4453.0	2966	9.5	183746.7	+4407.9	3056	9.0	190004.0	+4408.8
2788	8.8	174852.7	+4412.6	2877	9.1	181525.4	+4423.4	2967	9.5	183747.4	+4436.3	3057	8.5	190029.8	+4426.6
2789	8.3	174941.0	+4411.9	2878	8.0	181530.3	+4449.4	2968	8.4	183753.8	+4401.6	3058	9.4	190048.8	+4433.6
2790	8.3	175054.4	+4410.3	2879	9.0	181635.9	+4446.7	2969	9.1	183758.9	+4450.1	3059	9.5	190117.3	+4451.8
2791	8.0	175100.1	+4401.8	2880	9.4	181643.1	+4410.8	2970	9.4	183759.8	+4456.3	3060	9.4	190141.9	+4411.5
2792	8.9	175106.3	+4403.4	2881	8.5	181655.1	+4400.7	2971	8.0	183807.3	+4407.4	3061	8.8	190203.2	+4441.0
2793	9.5	175208.2	+4417.2	2882	8.0	181731.8	+4435.4	2972	9.0	183823.4	+4417.5	3062	9.5	190205.6	+4401.0
2794	9.5	175244.3	+4439.6	2883	8.8	181752.5	+4459.7	2973	6.8	183840.4	+4447.1	3063	9.4	190206.3	+4436.3
2795	8.5	175310.2	+4430.0	2884	8.5	181820.2	+4410.6	2974	9.0	183840.4	+4447.4	3064	9.2	190242.8	+4406.5
2796	9.3	175312.7	+4447.3	2885	8.8	181821.3	+4411.8	2975	9.0	183902.5	+4409.7	3065	8.5	190248.2	+4414.4
2797	9.2	175318.1	+4456.4	2886	9.3	181852.3	+4434.5	2976	8.8	183918.7	+4413.9	3066	8.1	190250.9	+4436.9
2798	9.3	175408.8	+4435.6	2887	9.3	181904.1	+4459.8	2977	8.5	183929.0	+4416.2	3067	9.5	190404.0	+4400.1
2799	9.5	175411.7	+4443.2	2888	9.0	181911.5	+4454.3	2978	9.0	183935.9	+4401.2	3068	9.5	190440.0	+4403.1
2800	8.0	175427.0	+4457.0	2889	9.3	181919.0	+4459.5	2979	9.5	183938.2	+4458.3	3069	9.5	190433.1	+4448.5
2801	9.4	175507.0	+4410.6	2890	9.4	181942.7	+4429.7	2980	9.5	183946.0	+4417.8	3070	9.5	190458.6	+4443.5
2802	8.0	175515.0	+4444.8	2891	9.4	181943.2	+4439.0	2981	9.5	183948.3	+4452.5	3071	8.7	190526.3	+4419.2
2803	8.8	175541.0	+4423.1	2892	9.5	181957.1	+4453.7	2982	9.3	183956.0	+4418.4	3072	9.4	190534.4	+4408.0
2804	8.3	175558.9	+4428.4	2893	9.3	182030.9	+4453.3	2983	7.8	184004.7	+4444.4	3073	7.3	190547.3	+4418.3
2805	9.5	175612.2	+4448.8	2894	9.5	182033.6	+4425.3	2984	8.8	184025.8	+4402.9	3074	9.3	190609.7	+4416.5
2806	9.1	175628.6	+4407.1	2895	9.5	182111.7	+4422.2	2985	8.3	184031.7	+4448.4	3075	9.3	190613.9	+4418.0
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2808	9.5	175709.7	+4438.7	2897	9.5	182208.1	+4422.9	2987	9.0	184050.5	+4454.3	3077	9.5	190759.5	+4458.1
2809	9.5	175739.9	+4402.9	2898	9.2	182209.2	+4417.9	2988	9.3	184140.0	+4437.1	3078	8.9	190805.2	+4431.1
2810	9.5	175741.8	+4438.0	2899	9.3	182211.9	+4421.2	2989	9.0	184223.3	+4432.2	3079	9.5	190824.8	+4442.4
2811	9.0	175759.3	+4444.2	2900	9.2	182215.9	+4453.6	2990	9.4	184304.7	+4438.2	3080	9.0	190847.9	+4441.0
2812	6.5	175815.2	+4415.2	2901	9.0	182250.4	+4405.1	2991	9.5	184305.5	+4452.2	3081	9.5	190857.8	+4442.8
2813	9.5	175846.2	+4441.8	2902	9.3	182323.0	+4423.4	2992	9.5	184437.5	+4417.2	3082	8.6	190901.3	+4428.3
2814	9.3	175921.3	+4412.6	2903	9.5	182340.2	+4413.7	2993	9.4	184440.8	+4447.1	3083	8.9	191020.0	+4450.2
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2821	9.4	180013.2	+4450.3	2910	9.5	182455.4	+4411.0	3000	9.0	184627.8	+4405.2	3090	9.4	191150.7	+4449.7
2822	9.5	180112.0	+4441.8	2911	8.2	182503.7	+4401.8	3001	9.3	184632.0	+4458.5	3091	9.4	191217.6	+4412.5
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2826	9.5	180314.5	+4401.0	2915	9.0	182626.1	+4413.0	3005	8.9	184729.0	+4411.6	3095	9.5	191316.7	+4410.5
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2836	9.3	180537.1	+4456.2	2925	9.2	182929.7	+4404.3	3015	9.3	185114.3	+4428.2	3105	9.2	191500.9	+4453.8
2837	9.0	180547.4	+4431.0	2926	9.1	182932.3	+4407.8	3016	9.3	185118.0	+4445.8	3106	9.4	191503.8	+4457.7
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2839	7.0	180635.1	+4434.2	2928	9.1	182938.9	+4425.7	3018	9.3	185144.2	+4411.3	3108	8.9	191528.7	+4458.7
2840	9.2	180642.6	+4427.1	2929	8.6	182943.9	+4426.7	3019	9.5	185154.2	+4415.6	3109	6.7	191531.6	+4445.8
2841	8.3	180644.7	+4444.3	2930	9.1	183010.5	+4422.8	3020	9.3	185154.8	+4420.0	3110	9.3	191649.5	+4416.2
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2843	9.4	180707.0	+4449.2	2932	9.3	183040.0	+4458.5	3022	9.4	185217.7	+4438.4	3112	9.1	191722.8	+4445.9
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3528	9.5	203346.3	+4424.3	3617	6.2	204815.7	+4437.9	3707	9.3	210153.4	+4432.7	3797	9.3	211729.7	+4418.8
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3530	9.4	203358.1	+4430.4	3619	9.5	204824.3	+4417.1	3709	9.0	210157.4	+4446.8	3799	9.0	211825.1	+4445.2
3531	9.5	203406.3	+4441.5	3620	9.1	204828.2	+4408.1	3710	7.5	210200.9	+4405.4	3800	9.5	211858.0	+4411.3
3532	9.5	203407.0	+4401.7	3621	8.2	204829.5	+4437.7	3711	7.5	210235.2	+4422.8	3801	9.0	211901.3	+4456.1
3533	9.4	203417.1	+4408.6	3622	8.2	204830.6	+4450.1	3712	9.5	210343.3	+4431.7	3802	9.4	211901.4	+4411.0
3534	9.3	203429.4	+4459.6	3623	9.5	204857.1	+4402.2	3713	9.0	210356.2	+4440.0	3803	9.5	211906.8	+4445.0
3535	9.4	203443.3	+4444.8	3624	7.7	204903.0	+4433.7	3714	9.4	210357.8	+4427.0	3804	9.5	211955.2	+4450.7
3536	9.4	203506.6	+4430.8	3625	9.1	204910.1	+4458.9	3715	8.8	210402.7	+4418.0	3805	8.0	212022.8	+4402.9
3537	9.4	203508.8	+4443.3	3626	9.1	204922.4	+4446.8	3716	9.1	210407.3	+4406.3	3806	8.9	212023.7	+4432.1
3538	8.1	203517.4	+4415.5	3627	9.1	204940.3	+4417.8	3717	8.3	210413.4	+4438.4	3807	9.5	212024.5	+4415.5
3539	9.5	203550.6	+4422.2	3628	8.1	204941.9	+4435.3	3718	6.8	210447.0	+4454.8	3808	9.5	212035.1	+4435.2
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4189 8.8 223301.4 +4434.3
4190 9.4 223307.7 +4411.9
4191 9.3 223311.3 +4443.0
4192 9.3 223330.2 +4407.2
4193 8.5 223337.8 +4450.0
4194 9.1 223342.9 +4429.0
4195 9.3 223417.1 +4407.1
4196 9.5 223448.0 +4434.7
4197 7.3 223451.0 +4415.0

4198 9.4 223507.5 +4404.6
4199 9.5 223512.0 +4430.6
4200 8.7 223519.6 +4426.2
4201 9.5 223528.9 +4402.6
4202 9.3 223607.4 +4445.5
4203 9.2 223608.7 +4421.3
4204 9.5 223628.5 +4435.5
4205 9.1 223633.2 +4430.6
4206 9.5 223637.4 +4437.5
4207 9.4 223644.6 +4455.2

+44 4208 22h36m

4208	9.5	223651.1	+4409.0	4298	9.4	225330.4	+4417.4	4388	9.5	231442.3	+4446.8	4478	9.1	233644.5	+4406.0
4209	8.3	223654.0	+4446.6	4299	9.3	225332.5	+4446.9	4389	8.1	231451.9	+4423.2	4479	9.5	233647.9	+4447.3
4210	9.0	223656.3	+4459.0	4300	9.4	225332.8	+4403.1	4390	8.9	231456.3	+4430.1	4480	9.5	233738.0	+4409.2
4211	9.4	223656.7	+4428.5	4301	9.2	225352.6	+4410.1	4391	9.3	231515.1	+4426.3	4481	9.5	233737.8	+4427.6
4212	8.8	223656.8	+4429.4	4302	6.5	225401.4	+4435.9	4392	9.2	231524.2	+4431.3	4482	9.5	233750.8	+4456.9
4213	9.5	223704.7	+4425.4	4303	9.5	225406.2	+4424.8	4393	9.3	231542.8	+4439.4	4483	9.0	233750.0	+4400.0
4214	9.4	223737.0	+4424.4	4304	9.4	225426.9	+4402.6	4394	9.5	231604.0	+4440.4	4484	9.3	233804.1	+4458.3
4215	9.1	223753.8	+4414.8	4305	9.4	225436.8	+4400.8	4395	9.2	231612.5	+4420.0	4485	9.5	233808.3	+4412.0
4216	9.5	223811.6	+4427.1	4306	9.5	225443.8	+4447.8	4396	8.5	231614.6	+4411.6	4486	9.0	233918.7	+4451.2
4217	8.5	223842.9	+4403.8	4307	7.9	225459.7	+4443.9	4397	9.0	231620.4	+4411.2	4487	9.3	233924.3	+4405.1
4218	9.1	223849.4	+4455.6	4308	9.1	225500.8	+4437.7	4398	9.5	231632.5	+4404.8	4488	9.4	233924.4	+4407.6
4219	8.9	223857.8	+4405.8	4309	8.5	225529.9	+4404.6	4399	8.5	231635.6	+4459.9	4489	9.5	233952.9	+4431.5
4220	9.5	223918.0	+4424.2	4310	9.5	225546.7	+4457.1	4400	9.1	231637.3	+4459.6	4490	9.5	234002.0	+4411.6
4221	9.4	223919.8	+4455.1	4311	9.4	225542.3	+4452.0	4401	9.4	231652.5	+4435.2	4491	9.0	234010.3	+4408.6
4222	9.5	223922.6	+4416.6	4312	9.5	225552.9	+4405.7	4402	9.4	231711.0	+4403.5	4492	9.4	234018.9	+4432.8
4223	9.5	223923.2	+4442.2	4313	9.0	225628.3	+4413.0	4403	9.1	231720.8	+4441.1	4493	9.1	234034.5	+4447.6
4224	8.6	223934.7	+4450.8	4314	9.5	225636.5	+4418.6	4404	8.9	231734.2	+4458.7	4494	9.5	234059.6	+4424.0
4225	9.3	223937.3	+4407.8	4315	8.6	225637.0	+4400.8	4405	9.5	231747.3	+4401.1	4495	8.4	234110.7	+4437.7
4226	9.3	223939.8	+4402.6	4316	9.5	225637.8	+4405.7	4406	9.0	231750.4	+4440.4	4496	9.1	234118.1	+4454.5
4227	9.4	223943.0	+4442.5	4317	9.5	225657.0	+4435.1	4407	9.1	231750.9	+4415.4	4497	9.5	234132.8	+4426.5
4228	9.1	223949.2	+4443.9	4318	9.5	225717.9	+4442.5	4408	9.5	231751.1	+4407.6	4498	9.5	234148.0	+4423.0
4229	9.5	223952.7	+4457.0	4319	9.5	225734.0	+4408.6	4409	9.5	231812.2	+4439.7	4499	9.5	234230.0	+4446.5
4230	9.0	224012.8	+4406.1	4320	8.8	225740.0	+4441.2	4410	8.6	231816.3	+4426.5	4500	9.5	234254.5	+4449.0
4231	9.3	224021.9	+4459.1	4321	9.4	225742.9	+4455.0	4411	9.3	231819.7	+4447.0	4501	9.5	234304.9	+4408.6
4232	8.0	224033.8	+4400.6	4322	9.4	225746.5	+4449.8	4412	9.5	231835.4	+4431.1	4502	9.5	234313.8	+4406.5
4233	9.4	224130.7	+4458.6	4323	9.1	225818.6	+4431.0	4413	8.5	231838.7	+4408.6	4503	9.3	234354.0	+4417.9
4234	8.2	224131.5	+4437.5	4324	9.5	225852.0	+4427.1	4414	7.5	231851.9	+4432.5	4504	9.4	234403.5	+4429.0
4235	9.5	224140.7	+4445.4	4325	9.5	225852.0	+4427.1	4415	9.5	231854.8	+4401.3	4505	9.3	234404.3	+4404.1
4236	9.3	224143.4	+4422.3	4326	9.5	225900.5	+4433.7	4416	9.4	231900.8	+4445.3	4506	9.4	234415.8	+4454.2
4237	9.3	224152.4	+4436.9	4327	9.5	225920.4	+4435.7	4417	8.0	231904.6	+4434.2	4507	9.3	234422.6	+4452.4
4238	9.5	224153.6	+4454.8	4328	9.5	225940.3	+4441.6	4418	9.0	231907.5	+4414.2	4508	9.5	234426.1	+4450.4
4239	9.4	224200.3	+4438.1	4329	9.4	225955.3	+4442.0	4419	7.2	231940.3	+4432.1	4509	9.2	234521.9	+4410.1
4240	8.0	224204.1	+4438.4	4330	9.4	226008.5	+4408.2	4420	9.5	232015.8	+4402.2	4510	8.7	234534.2	+4413.4
4241	9.3	224231.0	+4418.7	4331	9.4	226021.5	+4420.8	4421	7.0	232026.0	+4434.2	4511	8.6	234551.5	+4406.2
4242	8.6	224235.8	+4418.0	4332	9.5	226022.0	+4432.3	4422	9.5	232032.8	+4429.4	4512	9.0	234552.3	+4413.8
4243	9.5	224306.1	+4434.6	4333	9.5	230059.1	+4454.5	4423	9.5	232112.3	+4415.4	4513	7.4	234605.4	+4428.6
4244	9.4	224317.8	+4449.8	4334	9.0	230111.6	+4433.7	4424	7.3	232134.0	+4453.7	4514	9.1	234613.9	+4418.2
4245	9.4	224328.0	+4422.4	4335	9.0	230134.7	+4405.6	4425	9.3	232153.9	+4432.2	4515	7.8	234652.1	+4404.0
4246	8.2	224328.4	+4439.2	4336	9.5	230134.7	+4438.5	4426	9.1	232200.1	+4405.8	4516	8.9	234654.6	+4432.1
4247	9.3	224330.5	+4412.4	4337	9.5	230158.3	+4430.9	4427	8.7	232202.0	+4428.0	4517	9.5	234704.6	+4429.1
4248	9.4	224343.3	+4405.1	4338	9.5	230241.9	+4413.1	4428	8.5	232242.1	+4458.2	4518	9.0	234727.1	+4404.9
4249	8.7	224417.7	+4443.9	4339	8.0	230313.0	+4404.8	4429	9.1	232258.1	+4459.0	4519	8.8	234752.5	+4457.5
4250	8.8	224422.2	+4422.5	4340	9.1	230322.4	+4440.9	4430	8.5	232259.4	+4440.4	4520	8.5	234759.6	+4435.2
4251	8.0	224422.9	+4409.9	4341	9.5	230327.8	+4410.7	4431	9.4	232303.0	+4421.0	4521	9.3	234754.8	+4400.9
4252	9.5	224444.3	+4426.8	4342	8.3	230351.9	+4418.8	4432	8.3	232354.3	+4412.4	4522	9.5	234824.0	+4438.0
4253	8.3	224503.1	+4444.5	4343	8.5	230355.6	+4426.0	4433	9.5	232404.6	+4407.4	4523	9.4	234851.5	+4417.9
4254	8.5	224505.4	+4443.1	4344	9.3	230402.0	+4421.6	4434	8.8	232435.4	+4429.3	4524	9.1	234851.5	+4411.2
4255	9.3	224515.0	+4455.8	4345	9.5	230405.6	+4453.2	4435	9.1	232555.3	+4446.8	4525	9.4	234905.4	+4404.4
4256	9.5	224522.7	+4451.7	4346	9.3	230407.7	+4409.7	4436	9.3	232615.0	+4459.1	4526	9.5	234931.1	+4430.5
4257	9.2	224522.8	+4459.7	4347	7.3	230410.6	+4444.0	4437	9.5	232615.1	+4451.8	4527	9.5	234932.3	+4425.6
4258	9.5	224601.5	+4422.0	4348	9.4	230452.4	+4459.6	4438	9.5	232618.2	+4403.2	4528	8.2	234956.3	+4406.8
4259	9.5	224615.2	+4400.7	4349	9.1	230529.6	+4428.2	4439	9.4	232631.1	+4456.6	4529	9.4	235015.0	+4450.5
4260	9.5	224636.5	+4415.3	4350	8.2	230534.1	+4401.9	4440	8.5	232636.8	+4426.2	4530	9.1	235113.6	+4406.1
4261	9.4	224637.2	+4439.7	4351	9.2	230554.0	+4451.1	4441	6.5	232643.7	+4415.8	4531	9.3	235124.3	+4452.7
4262	9.2	224641.0	+4416.0	4352	8.6	230558.5	+4448.2	4442	9.5	232648.6	+4420.0	4532	8.7	235125.5	+4405.5
4263	8.1	224645.3	+4455.1	4353	9.2	230618.8	+4411.1	4443	9.4	232657.0	+4443.9	4533	9.4	235132.9	+4443.4
4264	9.5	224703.0	+4450.0	4354	8.9	230639.1	+4406.4	4444	9.1	232718.0	+4433.5	4534	9.5	235148.7	+4414.8
4265	9.5	224721.1	+4458.0	4355	9.3	230644.4	+4416.2	4445	9.1	232720.0	+4458.8	4535	9.4	235203.6	+4437.3
4266	9.4	224740.0	+4425.1	4356	9.2	230647.5	+4426.4	4446	9.5	232820.9	+4410.3	4536	9.3	235217.7	+4410.1
4267	9.5	224741.6	+4455.0	4357	9.5	230657.2	+4408.1	4447	9.1	232854.6	+4419.4	4537	9.2	235257.3	+4412.4
4268	9.5	224759.9	+4404.5	4358	8.5	230723.5	+4421.4	4448	9.5	232856.0	+4420.4	4538	6.0	235321.2	+4426.6
4269	9.5	224802.1	+4454.7	4359	9.5	230754.3	+4420.6	4449	9.1	232911.2	+4428.3	4539	9.5	235432.1	+4411.3
4270	9.4	224806.0	+4404.8	4360	9.0	230817.9	+4414.8	4450	9.5	232917.5	+4451.8	4540	9.0	235434.5	+4459.6
4271	9.5	224809.4	+4400.8	4361	9.3	230838.8	+4424.4	4451	9.4	232917.5	+4448.9	4541	9.5	235456.7	+4439.0
4272	9.4	224838.6	+4453.9	4362	8.8	230859.4	+4421.6	4452	9.5	232925.3	+4448.6	4542	9.3	235509.7	+4407.2
4273	8.2	224840.5	+4448.8	4363	9.0	230920.4	+4408.6	4453	9.4	232926.4	+4422.4	4543	8.4	235544.9	+4419.0
4274	9.1	224844.9	+4440.6	4364	9.4	230934.3	+4404.5	4454	8.0	232928.7	+4443.1	4544	9.5	235606.5	+4425.2
4275	9.5	224850.5	+4445.1	4365	9.5	230943.0	+4454.4	4455	9.5	232950.6	+4452.2	4545	9.1	235608.3	+4459.6
4276	9.5	224854.9	+4423.6	4366	9.4	231013.8	+4407.1	4456	9.5	232957.0	+4449.2	4546	9.1	235702.0	+4409.7
4277	8.3	224913.9	+4404.5	4367	9.5	231024.0	+4443.0	4457	7.8	233018.4	+4455.3	4547	8.9	235709.4	+4403.0
4278	9.4	224921.3	+4418.5	4368	6.2	231029.7	+4424.0	4458	8.1	233028.4	+4415.2	4548	9.5	235732.7	+4457.0
4279	9.1	224922.2	+4447.2	4369	9.5	231038.5	+4425.3	4459	9.2	233036.5	+4410.4	4549	7.2	235733.6	+4452.5
4280	9.5	224													

+43 13 0h03m

+43 371 1h39m

13 9.3 00342.1 +4341.7	103 9.5 02615.4 +4309.8	193 6.2 05152.9 +4355.4	283 8.5 11532.7 +4304.8
14 9.4 00348.3 +4310.5	104 8.3 02616.5 +4301.8	194 9.5 05227.7 +4339.4	284 9.5 11623.8 +4310.6
15 9.4 00349.5 +4321.7	105 9.2 02616.6 +4347.7	195 9.5 05230.4 +4324.2	285 9.5 11625.5 +4349.5
16 8.5 00410.3 +4358.3	106 9.5 02634.2 +4349.5	196 9.5 05244.2 +4352.1	286 8.9 11646.6 +4325.3
17 9.3 00428.5 +4355.2	107 9.5 02704.4 +4350.4	197 9.5 05244.5 +4309.2	287 8.9 11649.7 +4318.1
18 8.0 00444.6 +4300.8	108 8.9 02717.2 +4338.2	198 9.1 05327.4 +4309.8	288 9.2 11709.4 +4317.0
19 9.4 00447.4 +4333.7	109 8.7 02808.1 +4314.1	199 8.5 05337.0 +4320.0	289 9.5 11731.4 +4336.5
20 6.5 00500.5 +4354.7	110 7.0 02828.6 +4351.1	200 9.0 05340.9 +4344.6	290 9.5 11739.4 +4336.5
21 7.3 00501.6 +4347.8	111 9.5 02835.3 +4303.9	201 9.4 05349.4 +4304.8	291 8.8 11742.9 +4347.4
22 7.0 00502.6 +4331.2	112 9.3 02846.8 +4317.0	202 9.5 05355.4 +4312.2	292 9.5 11750.8 +4340.7
23 9.5 00543.3 +4307.8	113 5.4 02854.1 +4341.4	203 9.4 05402.4 +4301.8	293 9.5 11753.8 +4340.4
24 9.0 00603.2 +4323.2	114 9.5 02900.3 +4337.2	204 9.4 05428.6 +4316.3	294 8.6 11755.9 +4335.4
25 9.4 00620.0 +4334.4	115 9.5 02911.3 +4339.0	205 9.5 05513.8 +4336.1	295 9.3 11804.8 +4347.1
26 8.7 00622.4 +4337.9	116 9.5 02919.9 +4325.2	206 8.5 05527.9 +4317.6	296 9.5 11812.3 +4350.3
27 9.2 00623.1 +4335.6	117 9.5 02921.1 +4329.2	207 9.3 05538.7 +4320.0	297 9.2 11825.4 +4312.1
28 8.2 00628.1 +4342.0	118 9.5 02927.5 +4335.5	208 9.5 05544.0 +4358.5	298 9.5 11846.6 +4328.7
29 9.5 00638.0 +4311.1	119 9.5 02928.9 +4324.9	209 9.4 05547.4 +4326.3	299 9.5 11903.9 +4353.6
30 9.5 00644.5 +4326.8	120 9.3 02932.0 +4359.3	210 9.0 05552.5 +4333.2	300 8.6 11921.4 +4346.0
31 8.0 00650.6 +4302.4	121 9.3 02939.8 +4320.3	211 9.1 05609.9 +4304.5	301 8.0 11936.1 +4307.6
32 8.4 00709.7 +4359.8	122 8.3 03029.6 +4312.7	212 9.5 05610.9 +4325.9	302 6.5 11941.1 +4317.9
33 6.7 00743.0 +4323.3	123 9.5 03043.4 +4300.6	213 8.8 05611.5 +4341.5	303 9.5 11941.4 +4357.8
34 9.3 00746.6 +4353.7	124 7.9 03103.8 +4352.3	214 9.4 05639.8 +4301.5	304 9.2 11947.9 +4309.4
35 9.5 00804.1 +4337.7	125 8.7 03110.4 +4305.9	215 9.5 05644.0 +4326.6	305 8.8 12021.5 +4331.8
36 9.5 00831.6 +4354.0	126 9.2 03110.9 +4312.8	216 8.7 05650.6 +4314.1	306 8.8 12147.4 +4307.4
37 9.5 00842.6 +4316.8	127 9.3 03117.8 +4318.8	217 8.7 05654.3 +4306.7	307 9.5 12155.5 +4323.5
38 9.4 00910.0 +4326.0	128 9.5 03120.0 +4328.1	218 8.8 05700.2 +4348.7	308 9.5 12205.0 +4304.4
39 9.5 00911.8 +4331.6	129 9.5 03151.4 +4336.3	219 9.1 05720.3 +4323.1	309 9.4 12209.4 +4337.3
40 9.1 00914.3 +4338.5	130 9.5 03223.3 +4303.8	220 9.4 05748.4 +4328.7	310 9.1 12210.2 +4310.2
41 9.5 00948.6 +4329.9	131 9.5 03236.5 +4356.1	221 9.5 05810.0 +4359.2	311 9.3 12213.9 +4345.0
42 9.1 00952.4 +4344.9	132 9.5 03319.4 +4328.7	222 9.5 05817.0 +4359.1	312 9.5 12221.0 +4358.5
43 7.3 01002.1 +4355.9	133 9.1 03340.9 +4356.5	223 9.5 05821.0 +4345.6	313 9.4 12237.8 +4306.0
44 8.1 01008.3 +4312.0	134 9.3 03358.0 +4341.9	224 9.5 05828.3 +4310.5	314 9.4 12322.0 +4359.4
45 7.0 01016.3 +4345.5	135 7.0 03425.7 +4308.2	225 9.5 05837.0 +4348.7	315 9.3 12405.7 +4311.3
46 9.5 01030.0 +4346.7	136 9.3 03443.9 +4359.7	226 9.5 05848.2 +4324.9	316 8.9 12415.7 +4314.9
47 6.5 01044.2 +4345.9	137 9.1 03500.4 +4317.3	227 9.5 05852.0 +4347.5	317 9.1 12420.9 +4348.5
48 9.3 01048.1 +4311.7	138 9.5 03507.3 +4354.3	228 9.5 05858.0 +4356.9	318 8.4 12440.8 +4309.0
49 6.8 01103.8 +4350.6	139 9.0 03530.4 +4303.9	229 7.7 05858.1 +4350.7	319 9.5 12457.5 +4349.8
50 9.5 01124.0 +4318.1	140 9.5 03533.9 +4344.6	230 9.0 05909.4 +4318.0	320 9.5 12502.0 +4301.6
51 9.4 01125.5 +4358.6	141 9.5 03716.0 +4313.9	231 9.4 05919.9 +4359.3	321 9.3 12503.9 +4351.7
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+43 729 3h18m

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730	7.0	31827.5	+4351.8	819	9.4	33939.0	+4327.7	909	9.4	35915.9	+4313.8	999	8.8	42148.3	+4323.7
731	9.1	31832.6	+4329.0	820	9.5	33959.8	+4307.2	910	9.0	40012.4	+4304.3	1000	9.0	42208.3	+4323.9
732	7.5	31845.0	+4314.6	821	9.5	34010.2	+4353.6	911	9.4	40016.8	+4355.2	1001	9.2	42208.5	+4307.6
733	7.1	31853.1	+4320.4	822	9.5	34016.6	+4322.0	912	8.5	40029.0	+4342.8	1002	9.2	42214.0	+4305.6
734	9.5	31913.2	+4340.9	823	9.5	34020.3	+4336.5	913	9.1	40038.9	+4334.4	1003	9.3	42223.1	+4327.7
735	9.5	32016.0	+4327.5	824	9.5	34036.7	+4318.2	914	9.4	40052.7	+4344.3	1004	9.5	42248.0	+4343.0
736	9.5	32033.5	+4307.5	825	9.4	34041.6	+4357.0	915	9.5	40104.3	+4351.3	1005	9.5	42303.9	+4303.1
737	9.5	32035.5	+4314.5	826	9.3	34046.3	+4331.0	916	8.1	40111.9	+4358.3	1006	8.8	42320.6	+4313.4
738	9.5	32054.6	+4311.6	827	9.5	34054.0	+4321.4	917	9.5	40128.7	+4344.8	1007	9.5	42341.8	+4330.0
739	9.0	32101.6	+4328.5	828	9.1	34103.2	+4325.6	918	9.5	40137.2	+4301.1	1008	8.6	42413.5	+4339.5
740	8.8	32115.1	+4342.1	829	9.5	34105.6	+4342.3	919	9.5	40158.0	+4320.7	1009	9.5	42424.8	+4316.6
740a	40.0	32122.0	+4324.2	830	9.0	34119.4	+4356.7	920	9.4	40205.1	+4349.7	1010	9.5	42425.0	+4349.0
741	9.1	32150.0	+4343.7	831	9.5	34132.3	+4329.4	921	9.5	40223.2	+4353.5	1011	9.5	42427.4	+4343.3
742	9.0	32158.7	+4354.0	832	8.6	34208.8	+4313.6	922	9.5	40240.3	+4316.5	1012	9.5	42427.4	+4355.9
743	9.2	32204.2	+4332.7	833	9.3	34210.2	+4350.8	923	9.3	40242.3	+4301.9	1013	9.5	42432.0	+4308.9
744	8.6	32211.6	+4310.5	834	9.4	34214.6	+4350.3	924	8.6	40248.8	+4346.8	1014	9.5	42501.0	+4303.0
745	9.5	32216.7	+4348.0	835	9.5	34245.8	+4354.0	925	9.5	40336.5	+4311.6	1015	9.4	42501.8	+4325.6
746	9.1	32231.3	+4301.5	836	9.5	34317.8	+4359.2	926	8.9	40356.4	+4325.8	1016	9.5	42517.2	+4346.3
747	9.5	32248.4	+4304.0	837	9.0	34345.7	+4311.8	927	9.5	40425.9	+4319.2	1017	9.5	42533.9	+4352.9
748	9.0	32255.9	+4344.8	838	9.5	34426.6	+4321.7	928	9.0	40448.2	+4310.4	1018	9.4	42552.0	+4343.0
749	9.0	32303.4	+4315.1	839	9.0	34435.8	+4322.4	929	9.5	40511.0	+4320.7	1019	9.2	42635.5	+4335.6
750	9.5	32309.0	+4314.1	840	9.3	34457.4	+4350.7	930	9.5	40533.3	+4339.1	1020	9.5	42650.4	+4355.0
751	9.0	32312.1	+4306.3	841	9.5	34539.5	+4305.6	931	9.5	40507.2	+4339.8	1021	8.5	42659.8	+4350.5
752	9.1	32319.2	+4359.3	842	9.5	34543.3	+4308.3	932	9.5	40610.8	+4340.4	1022	9.5	42742.1	+4308.7
753	9.5	32343.0	+4344.4	843	9.5	34550.0	+4354.3	933	9.5	40636.7	+4310.4	1023	9.5	42812.4	+4313.2
754	9.5	32348.2	+4303.2	844	9.4	34606.8	+4300.5	934	9.5	40705.8	+4323.1	1024	9.5	42822.8	+4304.6
755	9.5	32348.7	+4328.7	845	9.5	34645.4	+4306.0	935	7.0	40731.4	+4318.9	1025	9.4	42841.4	+4303.3
756	9.5	32357.6	+4321.6	846	9.5	34652.6	+4327.7	936	9.5	40805.7	+4328.6	1026	9.5	42841.9	+4304.4
757	9.0	32400.3	+4321.4	847	9.2	34728.7	+4339.8	937	9.4	40809.0	+4323.5	1027	9.5	42849.2	+4337.5
758	9.0	32423.1	+4315.0	848	9.4	34745.5	+4334.5	938	7.0	40820.4	+4321.6	1028	9.4	42851.1	+4359.9
759	9.2	32425.2	+4346.8	849	9.5	34748.0	+4341.0	939	9.5	40843.6	+4330.1	1029	9.0	42852.4	+4359.3
760	9.4	32442.0	+4327.5	850	9.5	34758.2	+4349.3	940	9.1	40847.1	+4340.1	1030	9.5	42858.5	+4326.2
761	9.5	32442.6	+4341.8	851	9.5	34831.1	+4331.7	941	9.5	40853.5	+4338.3	1031	9.1	42904.2	+4300.1
762	9.5	32500.5	+4338.5	852	8.9	34850.4	+4335.5	942	9.5	40911.0	+4348.1	1032	9.5	42907.9	+4308.9
763	9.2	32509.7	+4311.9	853	9.5	34856.1	+4314.4	943	9.5	40927.5	+4350.7	1033	8.0	42916.6	+4321.9
764	9.5	32511.2	+4337.4	854	8.8	34902.0	+4313.1	944	9.0	40931.0	+4351.1	1034	9.4	42934.7	+4305.0
765	9.5	32512.6	+4312.5	855	9.0	34902.6	+4321.0	945	9.5	40945.8	+4329.3	1035	9.5	42958.5	+4353.7
766	8.0	32529.4	+4321.3	856	9.3	34910.4	+4338.8	946	8.2	41003.7	+4314.8	1036	7.1	43017.3	+4348.6
767	9.2	32530.3	+4358.3	857	9.5	34928.7	+4308.1	947	9.2	41011.3	+4304.4	1037	8.5	43021.5	+4304.3
768	9.5	32550.9	+4334.9	858	9.5	34935.3	+4334.1	948	9.5	41126.6	+4310.7	1038	9.5	43045.8	+4309.6
769	9.2	32609.6	+4355.1	859	9.2	34935.7	+4359.3	949	9.0	41131.8	+4345.3	1039	9.4	43107.5	+4330.8
770	9.5	32620.8	+4330.3	860	9.5	34954.3	+4301.2	950	9.5	41140.2	+4317.5	1040	9.5	43109.4	+4333.6
771	8.8	32654.1	+4335.4	861	9.3	34957.1	+4318.6	951	7.5	41227.1	+4306.1	1041	8.0	43124.4	+4346.0
772	9.5	32709.6	+4303.7	862	9.5	35002.5	+4306.6	952	9.4	41323.6	+4308.2	1042	9.3	43135.8	+4350.9
773	8.2	32746.7	+4304.3	863	9.5	35013.6	+4342.3	953	9.4	41337.4	+4351.0	1043	5.7	43237.9	+4304.9
774	9.5	32757.4	+4303.1	864	9.5	35020.0	+4319.4	954	9.5	41356.9	+4343.0	1044	9.5	43202.4	+4359.9
775	9.5	32805.0	+4325.3	865	9.2	35055.8	+4329.4	955	9.5	41402.0	+4303.6	1045	9.4	43339.3	+4352.7
776	9.2	32806.0	+4333.1	866	8.1	35105.4	+4302.8	956	9.5	41415.1	+4300.2	1046	8.3	43357.7	+4321.9
777	9.5	32821.5	+4335.8	867	9.0	35119.1	+4304.3	957	9.0	41415.3	+4315.0	1047	7.4	43502.4	+4330.6
778	9.5	32838.0	+4324.7	868	9.3	35125.3	+4309.9	958	9.0	41418.4	+4351.3	1048	8.9	43529.8	+4343.5
779	9.1	32839.0	+4339.3	869	9.2	35126.2	+4302.2	959	9.5	41431.9	+4346.4	1049	8.6	43532.3	+4307.0
780	9.5	32916.1	+4315.3	870	9.5	35135.1	+4302.4	960	9.5	41433.9	+4323.6	1050	9.5	43559.8	+4357.2
781	9.5	32953.0	+4352.3	871	9.2	35159.0	+4338.0	961	8.5	41523.2	+4328.5	1051	9.5	43600.1	+4317.0
782	9.5	32957.1	+4324.2	872	9.5	35201.9	+4308.8	962	8.6	41546.2	+4315.9	1052	9.1	43608.7	+4314.2
783	8.5	33009.8	+4335.4	873	9.5	35202.9	+4308.3	963	9.5	41547.0	+4303.2	1053	9.4	43658.8	+4332.8
784	9.4	33010.0	+4330.3	874	9.0	35218.2	+4310.9	964	9.3	41554.4	+4313.4	1054	9.5	43703.0	+4314.8
785	9.3	33024.3	+4346.2	875	9.5	35219.7	+4301.1	965	9.4	41600.4	+4309.3	1055	9.5	43708.6	+4316.2
786	9.5	33045.0	+4312.0	876	9.5	35235.0	+4353.3	966	8.9	41623.5	+4355.1	1056	9.5	43708.9	+4345.6
787	9.5	33050.5	+4319.6	877	8.5	35242.7	+4341.0	967	8.2	41628.1	+4308.5	1057	8.6	43711.3	+4307.9
788	7.9	33101.5	+4313.4	878	9.3	35302.0	+4351.2	968	9.5	41630.3	+4322.3	1058	9.5	43711.7	+4341.3
789	9.5	33108.1	+4304.8	879	8.8	35319.5	+4323.8	969	9.4	41631.0	+4355.3	1059	9.5	43719.2	+4340.8
790	9.5	33119.5	+4305.4	880	9.2	35331.0	+4314.0	970	9.5	41655.1	+4302.4	1060	8.7	43740.9	+4323.5
791	7.9	33201.7	+4302.9	881	9.2	35336.8	+4336.9	971	9.4	41655.6	+4315.3	1061	9.4	43744.2	+4344.3
792	9.5	33203.9	+4337.2	882	8.4	35337.5	+4331.5	972	9.5	41704.0	+4330.8	1062	9.5	43759.8	+4339.8
793	9.5	33223.1	+4351.1	883	8.5	35349.9	+4314.2	973	9.5	41708.1	+4305.0	1063	9.4	43807.6	+4345.5
794	9.5	33244.5	+4312.0	884	7.7	35354.3	+4334.9	974	9.2	41710.0	+4344.0	1064	7.9	43808.9	+4304.2
795	9.5	33254.3	+4325.7	885	9.5	35431.7	+4357.8	975	9.3	41720.0	+4318.3	1065	8.4	43813.3	+4332.9
796	9.5	33319.6	+4325.1	886	8.8	35500.3	+4352.2	976	9.4	41734.0	+4343.8	1066	9.4	43815.7	+4328.9
797	9.5	33353.7	+4322.5	887	9.5	35521.4	+4301.8	977	7.2	41743.1	+4300.1	1067	9.5	43823.7	+4350.5
798	8.3	33426.8	+4353.2	888	8.8	35527.0	+4357.3	978	9.3	41817.7	+4302.7	1068	9.0	43830.8	+4342.0
799	9.5	33537.0	+4322.8	889	9.5	35534.0	+4354.5	979	9.5	41842.1	+4351.3	1069	7.7	43835.5	+4300.7
800	9.4	33546.4	+4318.8	890	8.5	35556.1	+4348.2	980	9.0	41854.3	+4332.7	1070	8.5	43839.9	+4313.6
801	9.0	33550.3	+4322.8	891	9.4	35609.0	+4317.4	981	8.8	41906.9	+4348.0	1071	8.8	43846.0	+4320.9
802	9.5	33552.3	+4323.3	892	7.3	35622.4	+4301.3	982	8.9	41913.4	+4322.0	1072	9.3	43850.0	+4319.2
803	9.5	33627.1	+4329.4	893	9.4	35647.1	+4349.5	983	9.4	41943.1	+4307.1	1073	9.3	43852.5	+4319.5
804	8.5	33634.5	+4352.8	894	9.5	35703.0	+4344.6	984	9.5	41958.2	+4348.9	1074	9.3	43858.0	+4358.7
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1448	9.3	55617.2	+4337.5	1537	9.2	61550.0	+4327.5	1626	9.5	64720.3	+4341.2	1715	9.3	72659.0	+4320.2
1449	9.5	55635.6	+4346.7	1538	8.9	61556.1	+4358.9	1627	9.5	64744.9	+4338.2	1716	9.1	72754.3	+4353.5
1450	9.4	55636.0	+4339.6	1539	9.5	61631.4	+4323.3	1628	8.6	64812.2	+4323.0	1717	9.4	72802.2	+4312.0
1451	9.4	55636.5	+4343.9	1540	9.5	61718.5	+4326.7	1629	9.5	64839.9	+4349.1	1718	9.0	72939.8	+4338.6
1452	9.1	55653.8	+4318.9	1541	9.1	61801.0	+4309.1	1629a	9.5	64856.4	+4301.1	1719	9.0	73019.3	+4336.7
1453	8.7	55713.2	+4317.8	1542	9.4	61802.9	+4309.5	1630	8.7	64950.6	+4310.2	1720	9.1	73019.7	+4309.3
1454	8.7	55716.0	+4348.2	1543	8.4	61805.5	+4334.7	1631	8.7	65011.7	+4309.2	1721	9.5	73047.5	+4334.1
1455	9.5	55729.6	+4338.2	1544	9.4	61919.0	+4356.7	1632	9.2	65020.2	+4349.5	1722	9.5	73051.3	+4333.6
1456	9.5	55750.4	+4318.7	1545	9.5	61941.5	+4342.5	1633	9.5	65024.2	+4319.3	1723	9.5	73108.3	+4321.8
1457	9.4	55759.2	+4330.2	1546	9.2	61944.7	+4325.6	1634	8.9	65105.8	+4353.1	1724	9.5	73118.0	+4315.7
1458	9.4	55802.8	+4359.3	1547	9.1	62013.6	+4340.9	1635	9.5	65107.2	+4349.8	1725	9.5	73144.4	+4324.2
1459	9.5	55820.8	+4311.4	1548	7.6	62014.5	+4358.3	1636	9.5	65150.8	+4352.6	1726	8.9	73217.6	+4302.4
1460	9.5	55822.7	+4317.9	1549	8.0	62112.4	+4348.4	1637	9.2	65153.7	+4326.8	1727	9.0	73316.9	+4318.8
1461	9.3	55832.0	+4353.9	1550	9.3	62134.6	+4358.3	1638	9.3	65204.3	+4320.8	1728	8.5	73317.8	+4354.4
1462	9.0	55836.4	+4344.5	1551	9.2	62146.8	+4348.8	1639	8.8	65238.5	+4336.7	1729	9.0	73346.9	+4300.7
1463	9.5	55846.8	+4359.0	1552	9.5	62148.0	+4339.6	1640	9.3	65457.4	+4345.1	1730	8.5	73429.8	+4341.6
1464	9.4	55851.2	+4325.6	1553	9.3	62205.1	+4317.2	1641	9.3	65513.8	+4307.9	1731	9.0	73436.2	+4352.4
1465	9.2	55910.4	+4309.1	1554	9.4	62211.3	+4344.3	1642	9.5	65616.9	+4344.2	1732	8.0	73510.0	+4321.2
1466	7.4	55913.6	+4309.5	1555	8.4	62243.7	+4315.2	1643	9.3	65621.3	+4331.6	1733	8.5	73535.2	+4331.5
1467	9.5	55914.9	+4313.5	1556	9.5	62247.0	+4309.0	1644	8.4	65639.0	+4303.9	1734	9.4	73550.7	+4347.9
1468	9.1	55929.5	+4301.0	1557	9.2	62323.6	+4343.6	1645	9.5	65759.9	+4319.6	1735	9.1	73755.4	+4309.9
1469	9.4	55930.2	+4359.0	1558	8.6	62330.0	+4312.6	1646	9.5	65806.2	+4317.4	1736	8.4	73811.8	+4322.2
1470	9.5	55946.4	+4342.0	1559	9.2	62331.6	+4331.0	1647	9.5	65859.3	+4344.7	1737	9.3	73819.8	+4315.1
1471	9.2	60005.8	+4357.2	1560	9.4	62337.7	+4304.2	1648	8.6	65859.4	+4312.8	1738	9.1	73827.7	+4312.2
1472	9.3	60047.2	+4343.4	1561	9.5	62353.0	+4302.0	1649	9.0	65925.5	+4331.2	1739	9.0	73910.3	+4336.6
1473	9.1	60056.1	+4321.6	1562	7.5	62413.3	+4310.5	1650	9.5	65949.8	+4321.8	1740	9.0	73913.5	+4341.7
1474	7.0	60100.9	+4349.5	1563	9.3	62414.0	+4305.0	1651	9.5	70012.6	+4354.1	1741	9.0	73917.9	+4328.6
1475	6.9	60103.3	+4311.3	1564	9.5	62437.1	+4357.6	1652	9.0	70038.3	+4331.2	1742	9.3	74044.0	+4308.8
1476	9.4	60105.9	+4300.3	1565	7.3	62525.0	+4349.1	1653	9.0	70051.5	+4301.3	1743	9.5	74203.6	+4324.9
1477	9.2	60112.2	+4306.8	1566	8.7	62527.4	+4322.4	1654	9.5	70054.8	+4322.8	1744	9.5	74223.7	+4340.8
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1479	9.4	60142.0	+4316.4	1568	8.7	62539.4	+4325.4	1656	8.7	70129.9	+4329.2	1746	9.3	74439.3	+4332.1
1480	8.5	60142.7	+4325.6	1569	9.4	62626.8	+4319.1	1657	9.5	70153.0	+4319.8	1747	9.0	74503.8	+4351.4
1481	9.3	60201.8	+4318.3	1570	9.5	62630.6	+4331.5	1658	9.5	70227.3	+4330.7	1748	9.1	74536.0	+4341.0
1482	9.5	60214.2	+4340.6	1571	9.5	62650.1	+4329.8	1659	9.5	70246.7	+4305.8	1749	9.5	74546.9	+4335.0
1483	9.2	60218.6	+4350.2	1572	9.3	62658.1	+4339.9	1660	9.5	70304.9	+4313.4	1750	9.3	74538.9	+4311.0
1484	9.4	60244.3	+4351.3	1573	8.4	62750.1	+4321.1	1661	9.5	70401.5	+4338.7	1751	8.5	74753.7	+4323.0
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1486	9.4	60305.2	+4303.8	1575	9.4	62816.9	+4347.9	1663	9.0	70527.3	+4337.2	1753	8.1	74806.9	+4302.1
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1488	9.4	60418.3	+4343.2	1577	9.5	62838.8	+4356.5	1665	9.0	70531.6	+4322.4	1755	9.5	74851.2	+4315.2
1489	9.5	60421.4	+4305.5	1578	9.5	62852.1	+4331.5	1666	9.4	70631.3	+4347.6	1756	9.1	74947.0	+4339.6
1490	9.3	60435.1	+4317.1	1579	9.5	62940.6	+4356.7	1667	9.5	70644.2	+4317.7	1757	8.8	75014.5	+4322.1
1491	9.5	60437.3	+4325.8	1580	9.1	62946.7	+4345.0	1668	9.0	70652.2	+4334.2	1758	9.4	75014.7	+4342.6
1492	9.5	60452.9	+4309.3	1581	9.3	62949.0	+4358.6	1669	9.2	70704.2	+4352.5	1759	9.2	75022.0	+4341.5
1493	9.5	60453.6	+4310.8	1582	9.4	62949.0	+4352.6	1670	9.4	70755.0	+4300.0	1760	9.5	75023.0	+4306.0
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1495	9.4	60532.0	+4311.5	1584	9.1	63111.7	+4334.0	1672	8.7	70813.3	+4317.3	1762	9.3	75150.1	+4357.0
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1507	9.2	60708.0	+4336.2	1595	5.7	63618.5	+4343.1	1684	9.3	71342.8	+4332.6	1774	8.8	80133.7	+4361.0
1508	9.4	60737.5	+4350.9	1596	8.8	63620.0	+4344.1	1685	9.5	71343.3	+4344.1	1775	9.3	80155.0	+4321.6
1509	9.1	60824.2	+4314.4	1597	9.5	63646.6	+4317.1	1686	8.5	71403.4	+4329.2	1776	9.5	80232.7	+4345.0
1510	9.5	60828.0	+4324.8	1598	9.5	63700.8	+4319.3	1687	9.4	71419.8	+4304.5	1777	9.4	80302.2	+4359.4
1511	9.5	60845.5	+4304.6	1599	9.2	63816.8	+4311.2	1688	9.4	71429.4	+4303.7	1778	9.4	80309.0	+4358.4
1512	9.5	60916.9	+4334.5	1600	8.0	63819.2	+4359.4	1689	9.0	71504.6	+4314.8	1779	8.0	80309.4	+4326.6
1513	9.4	60955.0	+4308.5	1601	7.6	63853.5	+4354.1	1690	8.6	71520.6	+4325.3	1780	9.5	80431.3	+4306.4
1513a	9.5	60957.0	+4355.5	1602	9.5	63913.7	+4343.3	1691	6.7	71642.5	+4332.2	1781	9.4	80444.6	+4303.0
1514	9.5	61105.2	+4319.3	1603	9.4	63914.6	+4343.8	1692	9.1	71809.8	+4327.2	1782	9.5	80447.4	+4307.2
1515	9.5	61119.7	+4303.8	1604	8.8	63954.0	+4353.4	1693	7.7	71817.5	+4302.3	1783	7.2	80450.6	+4328.5
1516	9.2	61135.4	+4346.2	1605	9.5	63957.9	+4326.8	1694	9.4	71837.0	+4348.3	1784	9.5	80451.0	+4330.4
1517	9.5	61154.2	+4338.4	1606	9.5	64004.7	+4347.6	1695	8.6	71856.0	+4308.4	1784a	9.5	80501.0	+4326.0
1518	8.7	61159.1	+4335.2	1607	8.4	64121.6	+4350.6	1696	8.8	71908.1	+4337.9	1785	9.5	80509.3	+4334.0
1519	9.5	61200.1	+4314.2	1608	9.5	64134.9	+4343.2	1697	8.0	71942.1	+4351.1	1786	9.5	80518.2	+4316.5
1520	9.5	61225.0	+4311.3	1609	9.5	64137.3	+4313.3	1698	9.5	72000.4	+4331.6	1787	9.1	80520.3	+4323.5
1521	8.0	61242.6	+4345.6	1610	9.5	64158.8	+4327.3	1699	8.2	72041.2	+4348.8				

+43 1804 8h10m

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2165	7.5	114604.2	+4344.3	2255	9.4	123849.5	+4330.0	2345	9.5	133426.5	+4309.7	2435	9.5	144017.8	+4313.3
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2172	9.5	115139.5	+4316.4	2262	7.9	124223.3	+4302.4	2352	8.5	133936.3	+4301.7	2442	9.4	144822.2	+4323.7
2173	9.5	115256.0	+4321.1	2263	8.0	124317.6	+4301.0	2353	9.1	134106.4	+4316.8	2443	8.3	144823.3	+4334.6
2174	9.4	115256.7	+4323.8	2264	9.2	124431.5	+4308.6	2354	7.8	134123.4	+4331.6	2444	9.5	144927.9	+4347.0
2175	8.5	115332.5	+4302.4	2265	7.5	124438.0	+4315.1	2355	9.3	134204.6	+4312.3	2445	9.0	144943.8	+4339.5
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2180	8.2	115454.2	+4356.9	2270	9.0	124630.6	+4333.6	2360	9.0	134458.3	+4312.9	2450	8.2	145245.8	+4359.9
2181	8.7	115457.6	+4308.7	2271	9.2	124640.5	+4356.4	2361	8.6	134816.7	+4348.5	2451	8.9	145301.3	+4357.9
2182	6.7	115506.9	+4354.6	2272	9.5	124655.5	+4335.0	2362	9.4	134817.6	+4350.5	2452	9.4	145342.3	+4317.7
2183	9.5	115625.3	+4325.5	2273	9.3	124700.6	+4304.9	2363	8.3	134919.1	+4322.2	2453	9.0	145341.5	+4356.5
2184	8.0	115810.0	+4359.3	2274	9.0	124737.5	+4335.0	2364	8.5	134940.8	+4342.1	2454	8.9	145346.4	+4321.1
2185	9.5	115919.8	+4352.4	2275	9.1	124750.3	+4340.5	2365	9.1	134946.3	+4307.8	2455	8.5	145348.5	+4354.5
2186	7.3	115944.0	+4327.5	2276	9.3	124816.8	+4323.6	2366	9.5	135113.9	+4319.7	2456	8.5	145613.7	+4313.2
2187	6.8	115959.0	+4353.4	2277	9.3	124818.3	+4342.4	2367	9.2	135327.6	+4350.0	2457	9.5	145625.0	+4340.1
2188	9.2	120004.2	+4301.7	2278	9.4	124819.9	+4323.8	2368	9.5	135336.5	+4315.2	2458	9.4	145656.2	+4357.0
2189	9.5	120030.1	+4326.5	2279	9.5	124843.1	+4311.1	2369	8.8	135436.1	+4333.1	2459	9.0	145752.8	+4346.6
2190	8.8	120034.8	+4335.0	2280	9.3	124818.5	+4330.1	2370	9.5	135604.0	+4321.7	2460	9.3	145756.6	+4306.5
2191	8.5	120039.7	+4330.5	2281	8.8	124819.3	+4307.1	2371	9.3	135704.0	+4356.2	2461	9.3	145801.0	+4314.2
2192	9.0	120115.4	+4346.4	2282	8.8	124835.5	+4347.3	2372	9.0	135720.9	+4355.7	2462	9.4	145812.0	+4304.3
2193	9.5	120137.3	+4343.9	2283	9.2	125036.3	+4349.6	2373	9.4	135740.8	+4328.7	2463	9.5	145914.5	+4349.5
2194	7.8	120201.5	+4317.1	2284	8.3	125027.0	+4310.6	2374	8.8	135749.0	+4300.0	2464	8.8	145953.0	+4346.1
2195	7.8	120237.7	+4306.1	2285	8.8	125224.7	+4331.9	2375	9.0	135807.5	+4355.5	2465	9.1	150025.8	+4341.7
2196	9.1	120249.6	+4342.9	2286	9.0	125244.9	+4358.9	2376	9.2	135848.9	+4328.7	2466	9.1	150254.2	+4354.0
2197	9.1	120345.2	+4309.1	2287	9.1	125259.1	+4323.6	2377	7.8	135949.7	+4304.0	2467	8.5	150400.3	+4322.6
2198	8.8	120438.8	+4343.0	2288	9.3	125302.3	+4317.1	2378	9.5	140052.5	+4344.5	2468	9.0	150410.4	+4347.5
2199	9.5	120652.3	+4328.9	2289	9.1	125305.3	+4342.9	2379	9.5	140117.8	+4307.5	2469	9.5	150433.4	+4341.0
2200	9.4	120733.3	+4343.9	2290	8.5	125338.5	+4314.1	2380	9.5	140117.9	+4318.6	2470	9.5	150503.9	+4319.2
2201	8.8	120736.5	+4354.9	2291	9.3	125445.0	+4358.9	2381	9.1	140119.6	+4329.7	2471	8.7	150510.2	+4304.3
2202	9.3	120832.6	+4332.5	2292	9.0	125522.1	+4351.9	2382	9.5	140238.7	+4350.6	2472	9.4	150524.3	+4301.2
2203	9.5	120915.0	+4302.2	2293	8.5	125538.0	+4304.9	2383	9.5	140258.8	+4338.7	2473	8.5	150537.3	+4354.5
2204	8.3	120928.3	+4353.6	2294	8.1	125636.6	+4304.0	2384	9.5	140323.7	+4340.9	2474	9.4	150618.5	+4339.1
2205	8.8	121009.1	+4336.4	2295	9.1	125714.4	+4342.0	2385	9.4	140400.1	+4345.9	2475	7.0	150851.0	+4335.8
2206	9.5	121052.8	+4322.5	2296	6.0	125716.6	+4347.4	2386	9.5	140511.5	+4348.7	2476	8.5	150857.0	+4344.4
2207	8.0	121142.5	+4353.8	2297	9.5	125832.2	+4305.3	2387	9.4	140514.8	+4336.8	2477	9.2	150906.8	+4314.9
2208	9.0	121152.3	+4327.0	2298	9.3	125932.5	+4355.3	2388	9.3	140526.5	+4346.8	2478	8.8	150914.6	+4308.3
2209	9.5	121153.0	+4336.1	2299	9.0	125936.4	+4322.1	2389	9.1	140537.4	+4308.0	2479	9.5	151010.4	+4316.5
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2211	9.5	121327.8	+4324.5	2301	6.8	130142.9	+4357.9	2391	6.9	140548.7	+4302.0	2481	9.2	151056.7	+4354.8
2212	8.9	121453.2	+4302.0	2302	8.5	130200.5	+4305.3	2392	8.0	140618.3	+4306.3	2482	8.7	151116.3	+4357.3
2213	8.9	121558.3	+4313.0	2303	8.4	130320.0	+4319.1	2393	9.2	140716.0	+4310.6	2483	7.3	151210.6	+4305.5
2214	9.4	121602.4	+4308.7	2304	9.5	130401.3	+4356.3	2394	9.1	140722.0	+4341.8	2484	8.7	151318.4	+4307.5
2215	8.0	121603.6	+4342.1	2305	9.5	130439.2	+4320.5	2395	9.4	140942.5	+4352.0	2485	9.5	151349.4	+4351.8
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2217	9.3	121610.5	+4353.3	2307	9.4	130449.0	+4331.7	2397	8.9	141158.7	+4308.0	2487	9.5	151511.8	+4346.3
2218	6.3	121640.2	+4321.3	2308	8.8	130530.5	+4348.4	2398	8.8	141237.6	+4347.6	2488	8.4	151543.5	+4313.0
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3628	9.4	202530.1	+4323.5	3718	9.5	204200.7	+4319.2	3808	9.2	210154.6	+4317.4	3898	8.9	211720.4	+4359.5
3629	9.5	202537.3	+4323.9	3719	9.5	204208.4	+4355.6	3809	9.2	210157.8	+4301.9	3899	8.9	211735.6	+4339.9
3630	7.0	202539.5	+4349.6	3720	9.3	204213.1	+4313.4	3810	9.4	210209.0	+4315.4	3900	9.5	211751.9	+4338.0
3631	9.5	202555.7	+4327.7	3721	9.3	204218.8	+4355.5	3811	9.5	210213.3	+4343.1	3901	7.0	211756.8	+4354.4
3632	9.5	202602.2	+4305.0	3722	9.5	204234.9	+4307.8	3812	9.5	210232.3	+4352.9	3902	9.5	211808.4	+4318.4
3633	9.5	202624.8	+4318.8	3723	9.5	204238.2	+4336.9	3813	9.5	210233.8	+4319.6	3903	9.1	211817.9	+4253.7
3634	9.2	202628.3	+4333.8	3724	9.4	204253.4	+4326.4	3814	9.4	210249.5	+4337.7	3904	8.8	211829.7	+4303.7
3635	9.5	202631.5	+4337.4	3725	9.2	204259.5	+4324.1	3815	7.8	210258.4	+4309.8	3905	9.3	211842.8	+4357.3
3636	9.5	202634.6	+4350.0	3726	9.4	204300.2	+4351.1	3816	9.5	210319.6	+4307.9	3906	8.8	211851.6	+4317.0
3637	9.1	202636.2	+4359.9	3727	9.5	204300.2	+4346.6	3817	7.8	210321.0	+4314.7	3907	9.5	211858.1	+4353.0
3638	8.5	202654.5	+4337.2	3728	8.9	204309.5	+4332.3	3818	9.5	210337.0	+4302.5	3908	8.0	211913.4	+4340.0
3639	9.5	202655.0	+4347.8	3729	8.8	204333.5	+4346.7	3819	9.4	210341.4	+4319.2	3909	9.5	211919.2	+4326.3
3640	9.3	202656.3	+4328.7	3730	8.7	204355.4	+4340.3	3820	9.4	210347.7	+4302.3	3910	8.8	211929.0	+4313.2
3641	9.5	202703.7	+4323.9	3731	8.8	204359.6	+4321.6	3821	9.1	210357.1	+4307.7	3911	9.5	211931.7	+4334.2
3642	9.5	202708.2	+4325.6	3732	8.3	204423.4	+4314.1	3822	7.1	210435.2	+4336.6	3912	9.5	211934.4	+4343.0
3643	9.4	202712.7	+4314.7	3733	8.5	204423.9	+4313.4	3823	8.5	210435.9	+4346.3	3913	8.4	211937.4	+4349.4
3644	9.5	202714.8	+4301.2	3734	9.5	204428.0	+4313.4	3824	8.2	210445.4	+4324.2	3913a	9.5	211937.4	+4327.1
3645	9.5	202721.4	+4317.3	3735	9.3	204429.0	+4323.8	3825	8.0	210454.9	+4324.4	3914	9.3	211939.4	+4348.5
3646	9.5	202747.2	+4334.4	3736	9.4	204431.5	+4305.8	3826	9.4	210523.2	+4342.6	3915	8.4	211942.4	+4346.5
3647	9.5	202749.8	+4348.6	3737	9.5	204441.4	+4322.3	3827	9.5	210529.6	+4355.5	3916	9.0	211957.7	+4327.6
3648	9.0	202754.5	+4338.0	3738	9.3	204455.7	+4354.6	3828	8.2	210530.0	+4342.0	3917	9.5	211959.4	+4329.1
3649	9.5	202806.2	+4334.9	3739	5.5	204457.7	+4330.8	3829	9.5	210533.2	+4336.5	3918	8.9	211959.4	+4320.8
3650	9.0	202811.8	+4338.8	3740	9.0	204504.6	+4312.2	3830	9.3	210551.7	+4310.0	3919	9.4	212017.4	+4354.0
3651	9.4	202818.1	+4309.1	3741	9.5	204512.4	+4354.4	3831	9.5	210554.4	+4327.6	3920	9.3	212034.7	+4349.4
3652	9.4	202822.2	+4316.2	3742	9.2	204514.1	+4303.2	3832	9.5	210605.7	+4303.3	3921	9.5	212035.1	+4302.9
3653	9.5	202825.1	+4316.5	3743	9.4	204602.9	+4330.7	3833	9.3	210610.5	+4316.4	3922	7.8	212035.1	+4346.5
3654	9.5	202837.7	+4329.0	3744	9.1	204616.4	+4335.3	3834	9.4	210624.4	+4320.1	3923	9.5	212045.7	+4313.8
3655	9.0	202838.9	+4319.0	3745	9.4	204622.2	+4327.6	3835	9.4	210626.6	+4329.9	3924	9.5	212048.0	+4319.7
3656	8.6	202850.6	+4301.4	3746	8.3	204649.9	+4312.7	3836	9.5	210627.7	+4341.3	3925	9.4	212056.4	+4311.5
3657	9.3	202900.1	+4321.6	3747	8.8	204702.7	+4353.4	3837	9.3	210632.2	+4300.1	3926	9.5	212059.3	+4332.0
3658	9.3	202905.3	+4339.7	3748	9.4	204706.3	+4336.7	3838	9.2	210633.6	+4332.8	3927	9.4	212111.2	+4358.6
3659	9.3	202906.8	+4319.8	3749	9.5	204721.4	+4344.5	3839	9.5	210650.8	+4319.3	3928	9.1	212115.1	+4306.5
3660	9.0	202907.8	+4344.0	3750	9.0	204723.8	+4324.2	3840	9.5	210655.6	+4336.8	3929	7.3	212117.6	+4311.3
3661	9.5	202944.6	+4304.1	3751	9.0	204725.7	+4338.7	3841	9.5	210656.5	+4314.4	3930	9.0	212118.3	+4358.8
3662	7.4	203017.0	+4354.5	3752	9.1	204729.9	+4352.9	3842	7.2	210710.4	+4256.2	3931	9.5	212143.7	+4313.8
3663	8.9	203108.5	+4331.6	3753	9.0	204742.4	+4311.3	3843	8.0	210718.8	+4328.4	3932	9.5	212149.1	+4345.2
3664	8.2	203128.4	+4333.2	3754	9.5	204749.3	+4333.4	3844	9.1	210723.4	+4353.8	3933	9.5	212150.4	+4325.0
3665	9.3	203129.8	+4301.7	3755	5.4	204807.7	+4350.3	3845	9.5	210728.5	+4325.1	3934	9.4	21224.2	+43 5.1
3666	9.2	203140.3	+4347.1	3756	9.5	204812.4	+4302.6	3846	9.2	210736.7	+4319.4	3935	9.5	212234.9	+4309.6
3667	9.3	203215.6	+4346.5	3757	9.4	204824.2	+4305.2	3847	9.3	210741.0	+4337.7	3936	9.5	212238.3	+4333.5
3668	9.3	203216.4	+4318.9	3758	9.3	204826.1	+4343.7	3848	9.5	210743.0	+4350.5	3937	9.5	212238.6	+4353.1
3669	9.3	203217.0	+4333.7	3759	7.5	204845.6	+4350.2	3849	8.5	210745.1	+4301.8	3938	8.7	212250.0	+4321.0
3670	9.3	203244.5	+4349.8	3760	9.5	204917.3	+4321.0	3850	7.5	210749.4	+4316.8	3939	9.5	212302.5	+4357.1

+43 3957 21h26m

+43 4312 22h42m

3957	9.0	212631.4	+4305.8	4046	8.8	214112.2	+4327.2	4133	9.5	220112.7	+4310.5	4223	8.9	222618.0	+4341.5
3958	9.5	212631.7	+4348.4	4047	8.9	214145.2	+4328.6	4134	9.3	220112.9	+4302.4	4224	9.5	222620.0	+4316.0
3959	9.5	212640.0	+4359.8	4048	7.2	214159.1	+4320.3	4135	7.3	220159.6	+4330.3	4225	9.0	222627.2	+4350.4
3960	9.4	212649.3	+4327.7	4049	9.5	214206.9	+4310.8	4136	9.5	220204.3	+4322.0	4226	9.5	222635.3	+4309.2
3961	9.1	212657.0	+4302.8	4050	7.8	214223.0	+4340.2	4137	9.5	220239.0	+4308.0	4227	9.0	222654.2	+4357.4
3962	9.5	212701.0	+4357.7	4051	8.9	214237.8	+4355.2	4138	9.5	220248.2	+4350.2	4228	9.5	222709.1	+4301.0
3963	9.5	212715.5	+4358.3	4052	9.3	214302.2	+4317.4	4139	9.5	220329.3	+4329.9	4229	9.5	222751.0	+4300.2
3964	9.4	212735.4	+4311.0	4053	9.5	214320.0	+4349.8	4140	9.2	220330.8	+4346.4	4230	9.1	222758.7	+4324.2
3965	9.0	212757.7	+4342.6	4054	8.8	214334.4	+4343.8	4141	9.5	220337.4	+4355.4	4231	9.1	222807.1	+4347.4
3966	9.5	212809.5	+4359.5	4055	9.3	214338.9	+4321.6	4142	8.0	220401.1	+4354.4	4232	9.3	222831.0	+4311.8
3967	9.2	212813.3	+4354.7	4056	9.0	214342.3	+4353.2	4143	8.8	220405.7	+4328.9	4233	9.5	222833.0	+4330.0
3968	9.5	212832.0	+4334.5	4057	8.5	214345.1	+4332.1	4144	8.5	220413.2	+4356.7	4234	9.5	222835.2	+4303.4
3969	9.5	212833.7	+4353.6	4058	9.5	214407.9	+4351.3	4145	8.0	220416.3	+4321.6	4235	9.2	222838.1	+4342.8
3970	9.5	212849.7	+4315.4	4059	9.5	214410.0	+4324.9	4146	8.2	220418.8	+4346.2	4236	9.1	222840.0	+4334.2
3971	9.2	212912.0	+4354.0	4060	8.3	214415.1	+4317.4	4147	9.4	220420.6	+4308.2	4237	9.4	222840.4	+4311.8
3972	9.4	212919.4	+4327.6	4061	6.8	214426.6	+4312.6	4148	9.4	220449.1	+4305.9	4238	9.5	222853.3	+4331.5
3973	9.5	212925.9	+4307.0	4062	9.5	214430.5	+4341.1	4149	9.4	220544.4	+4303.2	4239	8.4	222920.0	+4359.9
3974	9.4	212926.0	+4327.6	4063	9.5	214454.6	+4310.2	4150	8.9	220627.7	+4312.9	4240	9.3	222930.7	+4309.0
3975	6.7	212933.2	+4303.6	4064	9.5	214507.5	+4307.0	4151	9.5	220642.0	+4324.8	4241	9.3	222937.3	+4348.9
3976	9.2	212936.8	+4317.1	4065	8.0	214514.7	+4350.3	4152	8.6	220656.3	+4336.5	4242	9.4	222959.4	+4333.8
3977	9.5	212941.4	+4350.6	4066	9.5	214528.0	+4331.5	4153	8.8	220707.9	+4355.4	4243	9.4	223002.5	+4342.5
3978	9.5	212944.3	+4336.7	4067	7.0	214529.8	+4345.4	4154	9.5	220736.4	+4329.3	4244	9.0	223003.4	+4317.1
3979	8.5	212954.7	+4319.8	4068	9.1	214530.0	+4326.1	4155	9.5	220740.5	+4345.0	4245	9.5	223004.4	+4315.8
3980	8.5	212957.6	+4315.8	4069	7.6	214534.8	+4340.5	4156	9.5	220741.2	+4337.6	4246	9.5	223015.5	+4345.3
3981	9.4	213019.8	+4343.1	4070	9.5	214537.1	+4308.7	4157	9.5	220754.6	+4355.8	4247	9.3	223023.4	+4322.1
3982	9.0	213025.6	+4324.1	4071	9.5	214559.8	+4357.0	4158	9.4	220823.9	+4341.6	4248	9.3	223030.1	+4328.9
3983	9.3	213036.0	+4317.7	4072	8.5	214607.5	+4307.7	4159	9.5	220838.9	+4307.4	4249	9.1	223038.5	+4301.1
3984	8.5	213037.2	+4347.1	4073	9.4	214614.8	+4317.2	4160	9.0	220841.6	+4333.6	4250	9.4	223044.6	+4337.1
3985	8.4	213041.7	+4340.1	4074	8.0	214627.5	+4306.4	4161	9.2	220842.5	+4355.3	4251	9.3	223050.3	+4347.9
3986	9.0	213113.8	+4355.5	4075	8.2	214645.5	+4306.8	4162	7.0	220900.8	+4303.2	4252	9.4	223053.2	+4351.8
3987	9.5	213118.2	+4344.7	4076	9.5	214655.3	+4353.4	4163	7.5	220926.7	+4301.9	4253	9.2	223101.6	+4315.6
3988	9.3	213130.4	+4330.2	4077	9.4	214724.4	+4311.7	4164	9.4	220931.4	+4308.6	4254	9.3	223111.2	+4303.6
3989	8.7	213154.5	+4324.4	4078	9.3	214757.0	+4319.6	4165	7.3	220945.7	+4311.9	4255	8.2	223116.5	+4346.4
3990	9.4	213208.8	+4312.3	4079	9.3	214757.6	+4306.4	4166	9.1	221002.6	+4334.8	4256	9.4	223139.0	+4302.4
3991	9.5	213251.2	+4307.1	4080	9.0	214758.1	+4309.8	4167	8.7	221133.3	+4359.7	4257	9.0	223154.0	+4345.6
3992	9.5	213312.6	+4340.1	4081	9.3	214826.5	+4356.8	4168	9.4	221135.3	+4334.3	4258	7.0	223216.2	+4355.2
3993	9.0	213317.0	+4306.4	4082	9.5	214827.4	+4311.2	4169	9.4	221139.7	+4330.3	4259	9.5	223222.3	+4313.7
3994	8.7	213319.8	+4314.3	4083	9.5	214837.5	+4359.1	4170	9.4	221134.9	+4318.3	4260	6.7	223225.4	+4333.5
3995	8.8	213331.5	+4341.7	4084	7.8	214846.0	+4322.1	4171	9.1	221157.4	+4315.9	4261	9.1	223259.6	+4354.0
3995a	9.4	213334.0	+4306.8	4085	9.5	214854.1	+4306.6	4172	9.3	221413.0	+4313.1	4262	8.8	223312.2	+4357.2
3996	8.6	213334.9	+4332.2	4086	9.5	214905.8	+4333.2	4173	9.3	221431.2	+4320.8	4263	9.5	223337.9	+4304.0
3997	8.2	213338.7	+4323.5	4086a	9.5	214922.1	+4318.1	4174	9.3	221439.1	+4350.8	4264	9.5	223343.5	+4315.6
3998	9.3	213349.8	+4339.9	4087	7.0	214928.7	+4343.9	4175	9.4	221456.1	+4322.0	4265	9.5	223409.5	+4302.8
3999	8.3	213402.5	+4347.3	4088	9.5	214929.3	+4356.4	4176	9.5	221459.5	+4328.7	4266	4.8	223410.8	+4330.6
4000	9.5	213403.6	+4356.5	4089	8.8	214951.6	+4316.5	4177	9.0	221525.7	+4343.5	4267	9.5	223436.5	+4336.3
4001	9.5	213411.0	+4310.4	4090	9.5	215038.8	+4342.2	4178	8.0	221551.3	+4301.1	4268	9.2	223446.9	+4351.8
4002	6.7	213418.6	+4346.8	4091	9.3	215047.7	+4314.3	4179	9.1	221559.1	+4305.1	4269	8.2	223513.7	+4341.3
4003	9.5	213422.5	+4308.6	4092	9.1	215053.3	+4329.8	4180	9.3	221602.8	+4327.7	4270	9.0	223520.4	+4314.6
4004	9.0	213442.1	+4317.1	4093	9.1	215057.2	+4306.8	4181	9.5	221614.4	+4356.4	4271	9.5	223527.6	+4344.4
4005	9.0	213444.6	+4313.6	4094	9.0	215229.5	+4335.6	4182	8.5	221635.4	+4353.8	4272	9.2	223541.1	+4304.0
4006	8.9	213506.1	+4333.1	4095	9.3	215232.3	+4340.8	4183	9.5	221635.4	+4310.7	4273	9.4	223548.8	+4340.2
4007	9.5	213515.2	+4347.9	4096	7.5	215235.0	+4328.2	4184	9.3	221659.6	+4333.1	4274	9.2	223552.1	+4302.0
4008	9.5	213530.8	+4324.3	4097	9.2	215242.6	+4334.6	4185	8.4	221708.9	+4358.5	4275	9.1	223602.7	+4302.0
4009	9.5	213540.9	+4344.5	4098	8.0	215247.0	+4359.8	4186	8.5	221715.2	+4351.0	4276	8.8	223613.4	+4315.5
4010	9.3	213546.6	+4348.9	4099	9.0	215311.0	+4333.7	4187	9.1	221721.6	+4358.0	4277	9.5	223615.6	+4315.5
4011	8.9	213549.7	+4350.3	4100	9.5	215318.3	+4354.6	4188	8.8	221728.3	+4333.6	4278	9.4	223630.7	+4313.8
4012	8.7	213605.4	+4319.7	4100a	9.0	215323.5	+4339.4	4189	9.5	221740.2	+4305.8	4279	8.6	223635.9	+4357.3
4013	8.7	213606.5	+4337.3	4101	9.1	215325.5	+4339.1	4190	9.5	221753.2	+4313.5	4280	9.3	223645.8	+4357.3
4014	8.7	213606.8	+4341.6	4102	9.5	215325.6	+4303.9	4191	8.9	221806.0	+4317.9	4281	9.3	223649.2	+4355.1
4015	9.5	213621.6	+4314.9	4103	9.2	215325.6	+4323.5	4192	8.6	221808.3	+4342.5	4282	9.5	223651.3	+4300.3
4016	9.4	213629.1	+4331.6	4104	9.2	215338.8	+4356.0	4193	8.5	221816.9	+4356.0	4283	9.5	223658.9	+4324.5
4017	9.0	213629.4	+4333.9	4105	8.6	215412.7	+4330.0	4194	9.5	221819.5	+4306.6	4284	9.5	223702.1	+4328.5
4018	9.5	213636.3	+4355.0	4106	7.6	215415.7	+4351.2	4195	9.5	221830.4	+4354.4	4285	9.3	223704.4	+4304.3
4019	9.5	213649.8	+4314.5	4107	9.5	215442.6	+4306.5	4196	9.3	221857.8	+4327.0	4286	9.5	223705.0	+4303.0
4020	9.2	213701.2	+4303.4	4108	7.5	215446.6	+4326.4	4197	7.9	221857.9	+4348.4	4287	9.0	223712.9	+4359.4
4021	9.5	213714.4	+4359.1	4109	8.5	215448.6	+4321.6	4198	9.3	221929.0	+4309.1	4288	7.5	223716.2	+4346.4
4022	9.5	213719.9	+4311.8	4110	9.5	215514.0	+4351.2	4199	9.1	221933.9	+4309.5	4289	8.4	223723.7	+4306.2
4023	9.4	213738.5	+4320.9	4111	8.1	215530.3	+4358.5	4200	8.8	221947.0	+4354.4	4290	9.2	223727.6	+4335.5
4024	8.1	213740.0	+4340.7	4112	8.6	215536.6	+4310.4	4201	9.5	222012.5	+4355.5	4291	9.5	223728.1	+4317.1
4025	8.8	213755.8	+4324.8	4113	9.5	215550.2	+4324.1	4202	9.0	222026.1	+4355.5	4292	9.5	223736.9	+4358.9
4026	8.4	213756.0	+4352.8	4114	9.5	215559.8	+4313.0	4203	9.5	222037.7	+4348.8	4293	9.0	223808.2	+4317.4
4027	9.4	213812.5	+4308.1	4115	9.4	215609.0	+4349.8	4204	8.9	222107.0	+4309.0	4294	9.3	223815.8	+4352.9
4028	9.0	213824.6	+4302.7	4116	7.8	215613.6	+4337.4	4205	9.2	222108.3	+4337.3	4295	9.3	223818.3	+4345.8

+43 4313 22h42m

+42 33 0h06m

4313 9.5 224243.7 +4309.2	4402 8.5 230212.5 +4305.9	4492 9.1 232713.8 +4306.1	4582 8.9 234941.2 +4348.9
4314 9.3 224246.3 +4304.6	4403 9.3 230239.1 +4334.6	4493 9.1 232733.4 +4312.2	4583 9.5 235008.1 +4309.3
4315 8.0 224300.6 +4304.8	4404 9.5 230252.5 +4302.1	4494 9.5 232743.8 +4315.5	4584 9.3 235017.4 +4320.9
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1467	9.5	55200.4	+4255.1	1556	9.5	61842.5	+4205.5	1646	9.4	65303.2	+4214.1	1736	9.3	72427.9	+4240.4
1468	9.5	55207.9	+4256.8	1557	9.4	61842.6	+4207.5	1647	9.0	65315.1	+4226.0	1737	9.3	72513.7	+4258.6
1469	8.3	55213.5	+4252.5	1558	9.0	61843.0	+4244.4	1648	8.8	65339.2	+4226.0	1738	8.9	72517.1	+4231.9
1470	9.0	55237.4	+4242.9	1559	9.1	61854.6	+4231.0	1649	9.4	65353.8	+4249.6	1739	9.3	72602.3	+4251.8
1471	9.1	55250.5	+4239.4	1560	9.4	61959.1	+4221.5	1650	9.4	65435.0	+4215.0	1740	9.5	72618.9	+4221.6
1472	9.1	55251.8	+4242.5	1561	8.5	62031.5	+4252.5	1651	8.5	65452.8	+4205.1	1741	9.1	72735.4	+4213.5
1473	6.4	55253.0	+4254.6	1562	9.5	62038.6	+4258.4	1652	9.5	65510.2	+4232.9	1742	7.3	72809.0	+4247.3
1474	8.6	55258.0	+4211.8	1563	9.5	62053.8	+4241.3	1653	9.5	65525.4	+4248.8	1743	9.4	72834.3	+4259.6
1475	9.4	55313.5	+4201.0	1564	9.2	62057.2	+4209.6	1654	8.7	65533.3	+4239.9	1744	7.5	72844.1	+4248.1
1476	9.2	55326.2	+4221.1	1565	9.0	62113.7	+4242.3	1655	9.3	65537.7	+4220.6	1745	7.5	72844.3	+4246.3
1477	6.8	55437.9	+4259.2	1566	8.6	62225.7	+4203.2	1656	9.5	65548.1	+4206.0	1746	8.4	73006.8	+4224.4
1478	9.4	55450.6	+4201.3	1567	9.5	62230.8	+4223.5	1657	9.5	65646.0	+4216.1	1747	9.3	73017.2	+4215.0
1479	9.5	55532.0	+4219.1	1568	9.3	62340.9	+4212.6	1658	8.3	65650.0	+4210.7	1748	9.3	73055.2	+4249.3
1480	9.4	55543.0	+4245.0	1569	9.5	62341.8	+4222.0	1659	9.0	65720.0	+4256.4	1749	9.0	73115.1	+4211.0
1481	8.6	55552.0	+4245.5	1570	9.1	62357.6	+4255.9	1660	9.5	65726.2	+4230.9	1750	8.9	73124.5	+4243.0
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1483	9.2	55602.2	+4200.5	1572	9.4	62429.4	+4208.7	1662	9.1	65755.8	+4209.1	1752	9.4	73301.6	+4233.9
1484	9.0	55644.1	+4220.3	1573	9.5	62434.0	+4232.3	1663	8.5	65758.9	+4242.8	1753	9.4	73339.1	+4221.0
1485	9.3	55654.5	+4230.2	1574	9.3	62441.5	+4220.1	1664	9.5	65841.1	+4204.5	1754	9.4	73402.5	+4224.9
1486	6.8	55727.7	+4240.9	1575	9.5	62442.8	+4245.3	1665	9.1	65846.7	+4244.3	1755	8.2	73403.3	+4239.2
1487	9.5	55743.8	+4253.8	1576	9.3	62456.5	+4208.9	1666	9.5	65910.5	+4200.5	1756	9.0	73407.3	+4250.5
1488	8.4	55750.3	+4251.8	1577	8.0	62537.5	+4242.8	1667	9.2	70031.0	+4223.5	1757	8.6	73527.7	+4225.8
1489	9.5	55755.4	+4258.9	1578	8.5	62537.9	+4202.2	1668	9.5	70049.3	+4220.9	1758	8.9	73530.0	+4252.7
1490	9.3	55806.1	+4233.7	1579	9.5	62647.3	+4236.4	1669	9.4	70131.1	+4209.8	1759	9.4	73551.2	+4200.4
1491	9.2	55826.0	+4242.8	1580	9.1	62658.4	+4233.4	1670	9.4	70135.2	+4206.5	1760	9.4	73551.8	+4205.4
1492	9.4	55839.9	+4240.3	1581	8.5	62757.8	+4208.2	1671	9.4	70146.7	+4221.0	1761	9.5	73613.9	+4205.5
1493	8.5	55900.0	+4225.2	1582	9.1	62807.8	+4236.9	1672	9.5	70148.8	+4210.5	1762	9.4	73642.6	+4227.3
1494	9.1	55913.4	+4258.6	1583	9.3	62820.3	+4231.9	1673	9.4	70213.2	+4234.9	1763	8.9	73659.5	+4218.4
1495	9.5	55924.1	+4209.4	1584	9.5	62822.8	+4214.6	1674	9.5	70232.2	+4226.5	1764	8.5	73712.5	+4224.3
1496	9.5	55929.0	+4221.7	1585	4.8	62859.5	+4236.9	1675	9.5	70236.8	+4211.4	1765	9.5	73716.1	+4208.8
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1497a	9.4	60016.8	+4209.1	1587	9.1	62933.0	+4221.2	1677	9.5	70301.8	+4253.2	1767	9.5	73753.0	+4210.0
1498	9.0	60024.3	+4248.9	1588	9.1	62939.0	+4222.0	1678	8.4	70354.2	+4247.3	1768	9.3	73847.1	+4204.1
1499	9.0	60038.9	+4203.1	1589	8.8	62941.3	+4240.8	1679	9.4	70354.4	+4216.0	1769	9.1	73859.8	+4232.8
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+42 2544 14h48m

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*42 2545 14h49m

*42 2903 17h39m

2545	9.3	144935.1	+4248.4	2634	9.5	154024.7	+4234.4	2724	4.0	162926.8	+4244.8	2814	9.5	171029.7	+4253.1
2546	9.4	144949.3	+4214.8	2635	7.3	154116.5	+4255.4	2725	9.3	162927.4	+4204.3	2815	9.5	171038.6	+4203.2
2547	9.2	145002.8	+4222.2	2636	9.3	154128.9	+4256.9	2726	9.4	162945.5	+4228.2	2816	8.7	171110.4	+4215.2
2548	9.1	145127.2	+4234.1	2637	9.2	154200.8	+4227.5	2727	9.3	163040.4	+4219.4	2817	8.7	171133.3	+4224.7
2549	9.1	145140.6	+4234.7	2638	7.9	154201.5	+4210.2	2728	9.0	163102.5	+4240.7	2818	9.3	171138.1	+4246.4
2550	9.4	145213.9	+4225.4	2639	9.0	154254.0	+4228.0	2729	9.3	163203.9	+4247.8	2819	9.5	171138.6	+4201.3
2551	9.3	145215.6	+4257.7	2640	9.0	154254.2	+4219.0	2730	8.2	163301.6	+4241.1	2820	9.0	171212.0	+4219.3
2552	9.4	145216.5	+4213.5	2641	8.5	154343.8	+4247.4	2731	9.5	163302.2	+4222.2	2821	8.0	171254.1	+4238.1
2553	9.3	145239.1	+4226.0	2642	9.2	154349.4	+4224.5	2732	9.0	163306.2	+4247.6	2822	8.0	171345.9	+4215.7
2554	8.3	145400.2	+4224.2	2643	9.5	154353.7	+4240.0	2733	9.2	163314.9	+4248.1	2823	8.0	171402.6	+4202.7
2555	9.5	145428.7	+4237.7	2644	9.5	154429.5	+4225.0	2734	9.3	163407.4	+4236.1	2824	9.4	171427.0	+4247.4
2556	9.5	145520.5	+4247.0	2645	7.3	154604.4	+4259.7	2735	8.1	163603.6	+4225.7	2825	8.5	171437.1	+4247.6
2557	8.7	145550.1	+4207.3	2646	8.5	154606.1	+4254.0	2736	7.5	163618.1	+4244.6	2826	9.2	171444.6	+4204.8
2558	9.2	145633.8	+4245.4	2647	8.9	154705.5	+4229.6	2737	8.9	163709.1	+4244.1	2827	9.2	171519.3	+4257.1
2559	7.8	145644.4	+4237.7	2648	4.3	154740.1	+4251.1	2738	9.2	163726.8	+4206.7	2828	9.4	171525.2	+4251.1
2560	9.2	145704.3	+4208.2	2649	7.8	154742.3	+4239.0	2739	9.4	163732.7	+4255.4	2829	9.5	171534.4	+4234.5
2561	9.4	145716.3	+4217.0	2650	8.5	154749.2	+4259.3	2740	8.0	163834.1	+4234.2	2830	7.9	171539.0	+4200.8
2562	9.5	145803.8	+4213.2	2651	9.1	154914.8	+4255.9	2741	8.0	163852.6	+4252.8	2831	9.5	171623.6	+4205.8
2563	9.2	145910.4	+4253.5	2652	6.0	155039.2	+4258.1	2742	8.3	163924.4	+4245.7	2832	9.0	171624.6	+4211.3
2564	9.3	145953.9	+4257.5	2653	8.6	155231.2	+4235.1	2743	8.5	163928.9	+4258.7	2833	7.5	171656.8	+4222.5
2565	8.5	150138.7	+4213.0	2654	8.6	155237.8	+4245.1	2744	9.5	164001.1	+4204.3	2834	9.2	171706.9	+4253.4
2566	8.0	150225.9	+4256.2	2655	8.5	155251.0	+4239.4	2745	7.8	164054.6	+4242.2	2835	9.3	171712.6	+4241.6
2567	9.0	150235.0	+4220.0	2656	9.3	155301.5	+4235.0	2746	9.1	164132.2	+4241.7	2836	9.0	171734.1	+4217.7
2568	9.3	150352.0	+4238.1	2657	9.1	155301.7	+4227.6	2747	8.0	164155.1	+4202.4	2837	9.5	171802.2	+4221.2
2569	8.9	150420.7	+4215.0	2658	9.3	155418.8	+4243.0	2748	8.7	164236.0	+4201.4	2838	9.3	171805.7	+4252.3
2570	8.0	150515.2	+4242.8	2659	9.1	155431.6	+4226.0	2749	6.5	164261.6	+4230.6	2839	9.0	171849.1	+4217.2
2571	9.4	150643.3	+4219.1	2660	9.5	155458.6	+4253.8	2750	8.2	164346.1	+4229.6	2840	9.1	172004.3	+4219.2
2572	9.0	150654.9	+4238.7	2661	9.3	155543.5	+4213.6	2751	8.7	164454.8	+4247.1	2841	9.5	172024.8	+4217.5
2573	9.1	150706.7	+4250.6	2662	9.3	155548.0	+4247.4	2752	9.5	164523.0	+4248.1	2842	9.0	172111.5	+4244.2
2574	9.2	150716.8	+4212.0	2663	8.8	155620.5	+4211.0	2753	6.8	164555.6	+4208.8	2843	9.5	172139.0	+4245.7
2575	9.0	150726.7	+4208.5	2664	8.2	155628.8	+4214.0	2754	7.5	164630.6	+4219.1	2844	9.5	172211.0	+4251.5
2576	9.2	150835.2	+4236.3	2665	9.3	155713.1	+4214.1	2755	9.0	164641.3	+4234.6	2845	9.5	172213.2	+4212.3
2577	6.1	150855.8	+4242.8	2666	8.8	155743.7	+4253.4	2756	9.1	164648.3	+4209.8	2846	8.6	172215.9	+4240.1
2578	9.3	150933.0	+4237.0	2667	9.3	155824.5	+4239.5	2757	9.4	164740.6	+4247.8	2847	9.3	172222.0	+4228.1
2579	9.5	150934.3	+4213.5	2668	8.9	155942.5	+4218.1	2758	8.1	164742.3	+4242.1	2848	7.5	172243.0	+4221.3
2580	9.4	151001.1	+4222.7	2669	9.4	155943.6	+4236.9	2759	9.4	164745.3	+4240.5	2849	9.5	172246.5	+4241.2
2581	9.5	151009.4	+4201.8	2670	9.3	160025.6	+4207.6	2760	9.5	164819.9	+4258.4	2850	8.5	172250.1	+4251.9
2582	9.5	151019.8	+4220.8	2671	8.5	160032.2	+4226.0	2761	9.2	164855.2	+4219.7	2851	9.5	172315.7	+4252.4
2583	9.5	151054.5	+4252.3	2672	8.9	160122.7	+4236.4	2762	8.8	164924.6	+4213.8	2852	9.5	172320.8	+4250.3
2584	9.0	151144.1	+4232.1	2673	9.5	160152.0	+4238.5	2763	8.8	164931.8	+4255.4	2853	9.5	172323.2	+4251.5
2585	9.2	151250.8	+4248.6	2674	9.5	160232.9	+4203.0	2764	9.1	164949.9	+4247.5	2854	8.3	172344.5	+4258.9
2586	9.2	151325.3	+4220.9	2675	9.5	160242.9	+4252.1	2765	9.5	165018.1	+4219.7	2855	9.3	172400.4	+4236.6
2587	7.7	151353.5	+4216.2	2676	9.3	160325.8	+4226.6	2766	9.5	165032.7	+4242.1	2856	9.3	172428.7	+4206.1
2588	9.5	151423.9	+4225.8	2677	9.5	160424.3	+4211.1	2767	8.5	165044.2	+4207.2	2857	9.5	172440.3	+4232.4
2589	9.4	151427.3	+4232.7	2678	9.5	160504.0	+4224.6	2768	9.3	165045.1	+4201.8	2858	9.5	172440.3	+4238.0
2590	9.5	151530.8	+4244.1	2679	8.9	160510.3	+4212.6	2769	9.5	165058.6	+4251.1	2859	9.4	172450.8	+4222.0
2591	9.4	151619.4	+4227.7	2680	9.5	160523.2	+4247.9	2770	9.4	165059.5	+4218.7	2860	9.5	172503.5	+4241.4
2592	9.0	151648.5	+4238.1	2681	9.0	160546.4	+4239.0	2771	9.2	165152.6	+4251.8	2861	9.5	172511.1	+4207.4
2593	9.3	151659.3	+4208.1	2682	8.3	160648.3	+4213.1	2772	9.0	165214.1	+4239.1	2862	9.1	172512.5	+4244.3
2594	9.5	151811.1	+4234.7	2683	6.3	160701.0	+4245.5	2773	9.0	165239.2	+4217.7	2863	9.0	172516.2	+4259.0
2595	8.3	151932.6	+4209.4	2684	9.3	160723.8	+4205.7	2774	6.8	165317.6	+4243.0	2864	8.6	172516.8	+4251.7
2596	8.6	152008.8	+4229.8	2685	9.5	160855.4	+4213.6	2775	8.8	165349.4	+4210.9	2865	9.0	172540.0	+4220.9
2597	9.2	152027.9	+4206.8	2686	9.5	160914.4	+4222.1	2776	9.5	165358.6	+4220.2	2866	9.5	172548.5	+4217.4
2598	9.2	152035.2	+4241.5	2687	8.5	160943.3	+4225.0	2777	9.0	165403.6	+4204.4	2867	9.4	172549.3	+4213.6
2599	8.6	152037.8	+4220.7	2688	9.5	161031.5	+4227.1	2778	8.7	165456.6	+4235.1	2868	8.2	172635.0	+4229.6
2600	8.5	152045.5	+4242.2	2689	9.2	161106.3	+4212.1	2779	9.0	165526.1	+4206.7	2869	9.5	172649.4	+4203.5
2601	7.8	152158.8	+4203.8	2690	9.0	161128.4	+4203.7	2780	9.4	165558.5	+4229.1	2870	9.5	172658.5	+4252.1
2602	9.2	152214.1	+4240.2	2691	9.2	161131.8	+4211.0	2781	9.2	165623.4	+4253.1	2871	9.3	172701.2	+4253.5
2603	9.4	152331.3	+4219.2	2692	9.0	161132.7	+4230.5	2782	9.0	165647.6	+4223.2	2872	9.5	172715.8	+4216.3
2604	9.3	152335.5	+4244.4	2693	9.5	161158.6	+4238.6	2783	7.3	165700.9	+4256.4	2873	9.5	172805.0	+4244.5
2604a	9.5	152348.5	+4243.4	2694	9.4	161253.6	+4259.3	2784	9.4	165743.3	+4220.9	2874	9.5	172823.0	+4214.0
2605	8.0	152354.2	+4203.3	2695	9.1	161314.1	+4202.7	2785	9.1	165836.4	+4212.7	2875	9.5	172920.3	+4253.3
2606	9.5	152405.3	+4223.2	2696	8.1	161331.8	+4258.8	2786	8.0	165839.2	+4206.8	2876	8.9	172923.4	+4200.6
2607	9.4	152427.8	+4235.7	2697	9.5	161357.8	+4203.5	2787	9.1	165842.1	+4235.1	2877	9.5	172959.5	+4231.7
2608	9.3	152444.7	+4254.5	2698	9.0	161359.4	+4223.6	2788	8.5	165843.0	+4241.9	2878	9.5	173000.7	+4227.9
2609	9.3	152459.2	+4234.4	2699	9.4	161431.0	+4209.4	2789	9.5	165925.6	+4223.8	2879	9.3	173037.6	+4240.7
2610	9.4	152501.3	+4222.7	2700	9.2	161501.9	+4247.0	2790	9.5	165939.7	+4219.3	2880	8.8	173120.2	+4252.3
2611	9.5	152516.4	+4202.8	2701	9.0	161512.8	+4228.5	2791	9.5	165947.6	+4213.3	2881	9.2	173120.2	+4252.3
2612	9.5	152629.9	+4258.5	2702	9.1	161712.9	+4224.6	2792	9.5	170059.0	+4256.4	2882	9.4	173123.5	+4212.7
2613	9.4	152645.3	+4229.2	2703	7.3	161904.1	+4227.1	2793	8.9	170100.6	+4222.7	2883	8.8	173133.0	+4205.4
2614	9.5	152720.8	+4219.3	2704	9.0	161910.8	+4210.7	2794	9.5	170107.8	+4228.6	2884	9.4	173229.0	+4203.5
2615	9.3	152731.1	+4244.1	2705	9.2	161910.8	+4252.5	2795	9.5	170130.0	+4235.7	2885	8.5	173250.8	+4201.8
2616	9.3	152754.5	+4220.7	2706	9.2	161916.8	+4242.5	2796	9.0	170154.1	+4202.3	2886	9.5	173251.3	+4241.1

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2904	9.5	173925.5	+4210.1	2993	9.5	175928.8	+4216.9	3083	9.2	182247.8	+4222.0	3172	9.2	184531.6	+4202.6
2905	9.5	173939.6	+4231.7	2994	9.4	175944.8	+4212.9	3084	8.8	182259.5	+4229.2	3173	8.8	184536.3	+4257.5
2906	9.5	174009.3	+4201.5	2995	7.7	175946.3	+4205.6	3085	9.5	182316.5	+4208.0	3174	6.8	184600.0	+4242.6
2907	9.4	174028.5	+4217.0	2996	6.8	180005.5	+4251.1	3086	9.0	182328.0	+4229.6	3175	9.3	184601.0	+4251.2
2908	9.4	174032.0	+4238.3	2997	9.1	180013.1	+4218.4	3087	9.5	182342.0	+4215.4	3176	9.2	184617.0	+4206.3
2909	8.4	174040.3	+4238.9	2998	7.4	180025.8	+4256.8	3088	9.0	182421.1	+4224.1	3177	9.3	184622.0	+4213.5
2910	9.2	174105.4	+4243.5	2999	9.4	180046.1	+4240.7	3089	9.5	182428.5	+4213.6	3178	9.0	184655.0	+4231.2
2911	9.4	174119.5	+4256.8	3000	8.3	180102.0	+4228.2	3090	9.4	182435.5	+4215.0	3179	9.5	184704.6	+4203.3
2912	9.0	174126.8	+4229.6	3001	9.5	180135.5	+4201.0	3091	9.5	182437.6	+4207.7	3180	9.5	184738.1	+4257.4
2913	9.5	174127.3	+4200.5	3002	9.3	180149.1	+4212.1	3092	9.2	182500.5	+4242.4	3181	9.5	184738.3	+4254.0
2914	9.3	174144.7	+4206.4	3003	8.6	180155.5	+4256.6	3093	9.5	182517.5	+4246.4	3182	9.0	184816.0	+4228.4
2915	9.5	174212.0	+4210.8	3004	9.0	180205.2	+4240.8	3093a	9.3	182522.7	+4238.0	3183	8.6	184853.2	+4244.7
2916	8.1	174236.5	+4218.1	3005	9.0	180250.4	+4233.5	3094	9.0	182550.5	+4236.6	3184	7.0	184857.3	+4242.5
2917	8.9	174302.1	+4248.5	3006	8.5	180315.8	+4252.6	3095	9.5	182600.1	+4246.7	3185	9.5	184911.5	+4200.4
2918	8.9	174328.0	+4209.7	3007	8.9	180326.3	+4212.2	3096	9.5	182614.3	+4205.4	3186	9.4	184921.3	+4205.2
2919	7.3	174328.5	+4236.8	3008	9.4	180338.3	+4240.4	3097	8.8	182648.5	+4241.5	3187	9.4	184943.5	+4247.4
2920	9.3	174353.6	+4217.3	3009	8.8	180340.5	+4254.8	3098	9.5	182649.9	+4255.9	3188	9.2	184950.0	+4212.0
2921	9.4	174354.7	+4218.8	3010	8.2	180412.0	+4236.9	3099	8.8	182651.6	+4209.1	3189	8.5	184955.8	+4221.1
2922	9.3	174414.5	+4237.7	3011	9.5	180430.1	+4245.3	3100	9.5	182655.4	+4231.0	3190	9.4	184958.9	+4252.9
2923	8.0	174428.0	+4226.4	3012	9.4	180445.7	+4225.4	3101	9.5	182712.3	+4219.6	3191	9.1	185010.5	+4218.1
2924	8.8	174429.0	+4257.0	3013	8.8	180455.3	+4216.0	3102	9.5	182759.7	+4220.3	3192	9.5	185025.7	+4228.1
2925	9.1	174430.3	+4207.7	3014	9.4	180500.5	+4242.8	3103	9.5	182804.0	+4253.3	3193	8.5	185025.8	+4222.8
2926	9.3	174433.4	+4202.1	3015	9.5	180525.3	+4240.5	3104	9.4	182814.7	+4200.5	3194	9.1	185114.5	+4233.9
2927	9.2	174438.0	+4248.4	3016	9.5	180529.3	+4247.6	3105	9.3	182834.3	+4235.3	3195	9.3	185116.8	+4247.4
2928	9.5	174519.1	+4225.5	3017	9.5	180534.3	+4246.1	3106	9.5	182853.5	+4236.2	3196	8.8	185117.6	+4200.6
2929	7.3	174528.0	+4200.7	3018	9.5	180534.3	+4242.6	3107	9.1	182901.9	+4206.6	3197	9.1	185126.6	+4201.5
2930	8.9	174553.7	+4208.3	3019	9.0	180600.9	+4204.7	3108	8.8	182907.8	+4220.0	3198	9.5	185140.3	+4202.0
2931	8.8	174627.1	+4250.2	3020	9.4	180603.0	+4219.8	3109	9.4	182915.0	+4240.4	3199	9.3	185156.7	+4225.8
2932	9.5	174632.5	+4220.9	3021	9.5	180619.7	+4212.1	3110	9.4	182948.4	+4215.0	3200	8.5	185210.5	+4220.8
2933	9.5	174640.6	+4210.8	3022	9.5	180705.4	+4236.1	3111	9.5	182952.5	+4259.9	3201	9.5	185233.8	+4249.5
2934	9.2	174645.4	+4203.5	3023	9.0	180823.5	+4234.2	3112	9.1	182957.6	+4227.8	3202	9.5	185235.0	+4255.3
2935	9.5	174647.5	+4234.3	3024	8.0	180826.6	+4245.9	3113	8.6	183002.2	+4273.1	3203	9.3	185302.0	+4200.1
2936	9.3	174705.9	+4241.7	3025	9.0	180837.0	+4249.3	3114	8.8	183013.5	+4253.9	3204	9.4	185312.7	+4212.0
2937	9.1	174722.8	+4257.8	3026	9.0	180839.0	+4249.2	3115	9.4	183048.6	+4207.2	3205	9.5	185318.9	+4202.4
2938	9.0	174726.9	+4240.9	3027	9.3	180851.1	+4243.9	3116	7.3	183128.1	+4255.8	3206	8.1	185335.5	+4209.1
2939	9.1	174742.5	+4235.5	3028	9.5	180858.2	+4201.9	3117	9.2	183131.4	+4210.1	3207	9.4	185351.6	+4203.3
2940	7.0	174746.1	+4254.1	3029	9.0	180914.4	+4200.3	3118	9.3	183132.0	+4236.1	3208	8.3	185424.0	+4244.3
2941	7.6	174829.7	+4214.3	3030	8.3	180916.5	+4249.3	3119	9.0	183134.0	+4208.8	3209	9.2	185424.5	+4226.3
2942	8.8	174833.5	+4214.3	3031	9.5	180949.1	+4249.4	3120	9.5	183204.5	+4210.8	3210	9.3	185431.0	+4221.8
2943	9.5	174843.5	+4225.1	3032	9.5	181001.5	+4231.4	3121	8.8	183226.9	+4236.9	3211	9.4	185439.0	+4226.7
2944	9.5	174845.8	+4216.1	3033	9.4	181035.4	+4223.4	3122	9.2	183305.0	+4253.3	3212	7.5	185456.0	+4248.5
2945	9.5	174851.9	+4215.2	3034	9.5	181043.6	+4205.5	3123	8.5	183327.4	+4232.9	3213	9.5	185456.6	+4207.0
2946	9.4	174904.5	+4235.2	3035	5.5	181108.3	+4207.8	3124	9.5	183357.6	+4202.8	3214	9.5	185502.5	+4241.8
2947	9.5	174911.5	+4237.2	3036	9.1	181114.9	+4242.6	3125	9.5	183402.5	+4220.4	3215	9.5	185524.0	+4226.7
2948	9.3	174915.0	+4234.5	3037	9.4	181143.5	+4216.7	3126	9.4	183408.8	+4225.0	3216	9.5	185547.1	+4231.9
2949	9.4	174936.1	+4201.7	3038	9.5	181153.0	+4200.4	3127	9.3	183423.9	+4258.0	3217	9.5	185608.2	+4254.7
2950	9.2	174936.5	+4215.7	3039	9.1	181153.1	+4240.8	3128	9.4	183448.7	+4242.0	3218	9.5	185609.2	+4217.0
2951	7.5	174937.0	+4241.8	3040	9.1	181202.6	+4226.1	3129	9.5	183459.6	+4249.8	3219	6.6	185614.4	+4203.3
2952	9.3	174956.0	+4257.9	3041	9.4	181203.0	+4239.7	3130	8.5	183515.4	+4242.5	3220	9.3	185617.1	+4255.1
2953	8.8	174959.8	+4201.8	3042	9.3	181230.0	+4214.3	3131	8.0	183537.8	+4255.7	3221	9.2	185626.0	+4235.0
2954	9.2	175012.3	+4247.9	3043	9.5	181247.4	+4252.2	3132	8.4	183554.1	+4259.9	3222	9.4	185639.0	+4201.4
2954a	9.5	175030.4	+4257.4	3044	8.5	181251.1	+4246.6	3133	9.3	183557.7	+4203.6	3223	8.4	185643.7	+4211.1
2955	9.4	175033.0	+4231.4	3045	9.4	181253.4	+4211.8	3134	9.0	183600.3	+4245.9	3224	9.3	185655.5	+4216.6
2956	9.4	175034.0	+4227.0	3046	9.3	181257.8	+4226.5	3135	8.3	183615.7	+4249.9	3225	9.1	185659.1	+4242.0
2957	9.0	175047.8	+4254.7	3047	9.5	181334.3	+4202.5	3136	9.3	183633.2	+4213.0	3226	9.5	185713.5	+4247.8
2958	9.4	175126.1	+4252.3	3048	9.5	181357.9	+4206.3	3137	9.4	183648.5	+4245.9	3227	9.2	185719.6	+4217.7
2959	9.4	175127.9	+4206.8	3049	9.5	181402.8	+4240.4	3138	9.0	183741.5	+4204.2	3228	9.5	185726.9	+4206.2
2960	9.1	175142.5	+4231.8	3050	8.3	181407.0	+4231.0	3139	9.5	183802.6	+4212.6	3229	9.3	185740.2	+4243.8
2961	9.5	175208.8	+4203.1	3051	9.5	181448.7	+4257.3	3140	8.6	183818.0	+4214.2	3230	8.0	185743.0	+4246.5
2962	9.5	175230.1	+4252.9	3052	9.5	181452.3	+4206.6	3141	9.5	183822.3	+4220.8	3231	9.4	185750.1	+4237.0
2963	9.5	175239.9	+4258.1	3053	9.5	181514.0	+4206.7	3142	9.5	183851.0	+4213.5	3232	9.3	185800.4	+4218.1
2964	9.5	175243.7	+4234.5	3054	9.5	181524.1	+4254.4	3143	9.5	183855.0	+4255.0	3233	7.7	185806.5	+4253.9
2965	9.2	175315.9	+4256.9	3055	9.3	181546.6	+4200.1	3144	9.3	183905.8	+4227.9	3234	9.3	185815.0	+4257.2
2966	7.7	175322.4	+4201.5	3056	9.5	181611.6	+4253.0	3145	9.3	183908.2	+4227.0	3235	9.5	185824.6	+4253.2
2967	9.3	175346.8	+4233.4	3057	9.4	181631.5	+4235.2	3146	8.9	183911.1	+4241.1	3236	8.6	185826.5	+4219.4
2968	9.5	175348.8	+4206.5	3058	9.2	181639.0	+4211.7	3147	9.5	183932.5	+4247.4	3237	8.6	185834.0	+4231.8
2969	9.5	175352.2	+4208.2	3059	9.5	181652.2	+4241.1	3148	8.0	184003.1	+4222.9	3238	9.4	185930.4	+4257.0
2970	9.3	175357.0	+4233.5	3060	9.4	181706.9	+4205.7	3149	9.3	184029.7	+4236.5	3239	9.4	185932.5	+4247.4
2971	9.1	175411.1	+4259.6	3061	8.8	181720.5	+4251.9	3150	8.3	184029.9	+4228.2	3240	9.5	190018.5	+4232.9
2972	8.3	175414.5	+4234.4	3062	9.5	181725.0	+4255.8	3151	8.9	184036.0	+4221.5	3241	9.5	190028.7	+4227.8
2973	9.5	175453.5	+4231.0	3063	8.3	181725.7	+4204.7	3152	9.1	184041.3	+4224.2	3242	9.5	190041.5	+4220.5
2974	9.5	175503.0	+4223.0	3064	9.5	181727.6	+4205.5	3153	8.6	184044.8	+4201.6	3243	9.2	190046.9	+4236.0
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3645	9.5	200906.3	+4233.0	3734	9.3	201926.4	+4246.9	3823	9.2	203515.1	+4258.8	3913	6.5	205103.0	+4213.0
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3647	9.5	200911.2	+4209.8	3736	9.2	201947.2	+4228.9	3825	9.5	203525.9	+4210.8	3915	7.8	205129.4	+4219.8
3648	9.3	200923.0	+4225.9	3737	8.3	201957.3	+4218.6	3826	9.2	203534.1	+4228.5	3916	9.5	205130.4	+4229.7
3649	8.7	200928.2	+4250.4	3738	9.2	201957.6	+4251.4	3827	8.6	203535.4	+4250.0	3917	9.0	205134.8	+4222.7
3650	9.5	200946.8	+4204.2	3739	9.5	202014.1	+4237.9	3828	9.3	203600.4	+4219.6	3918	9.4	205153.4	+4200.6
3651	7.3	201006.2	+4227.7	3740	6.9	202023.8	+4208.3	3829	9.3	203613.9	+4232.8	3919	8.7	205200.7	+4245.1
3652	9.0	201010.6	+4222.8	3741	9.1	202039.5	+4210.5	3830	9.5	203631.2	+4235.2	3920	9.5	205215.1	+4216.1
3653	9.4	201015.3	+4214.5	3742	9.5	202052.0	+4227.3	3831	9.5	203633.5	+4208.0	3921	9.5	205237.3	+4204.5
3654	9.4	201026.4	+4214.7	3743	8.2	202054.7	+4212.7	3832	9.5	203636.7	+4237.2	3922	9.5	205242.4	+4247.1
3655	9.5	201039.2	+4254.2	3744	9.5	202058.1	+4237.0	3833	7.8	203636.8	+4255.5	3923	9.1	205242.5	+4241.8
3656	9.4	201052.3	+4207.1	3745	9.5	202109.6	+4208.2	3834	7.4	203646.4	+4200.0	3924	9.5	205207.7	+4229.0
3657	9.4	201057.1	+4230.8	3746	9.3	202116.2	+4226.4	3835	8.9	203659.7	+4239.7	3925	9.2	205312.8	+4252.7
3658	9.4	201058.2	+4218.0	3747	9.0	202143.8	+4223.1	3836	9.4	203725.1	+4204.1	3926	9.4	205325.3	+4209.1
3659	9.1	201111.5	+4203.3	3748	8.7	202144.6	+4245.7	3837	9.5	203727.8	+4215.5	3927	9.5	205330.1	+4253.6
3660	9.5	201114.0	+4243.9	3749	8.7	202147.7	+4225.9	3838	9.0	203739.8	+4203.5	3928	9.4	205352.4	+4255.9
3661	9.5	201116.8	+4252.3	3750	8.3	202209.1	+4208.9	3839	8.3	203746.0	+4239.0	3929	9.4	205353.9	+4221.7
3662	9.1	201134.9	+4222.2	3751	9.1	202212.0	+4259.9	3840	9.0	203747.1	+4207.6	3930	9.5	205356.0	+4223.1
3663	9.5	201138.4	+4256.0	3752	7.3	202215.5	+4240.6	3841	9.5	203757.2	+4257.3	3931	8.1	205408.6	+4243.7
3664	9.5	201154.8	+4253.8	3753	8.2	202218.2	+4226.4	3842	9.2	203803.0	+4206.9	3932	8.1	205416.0	+4230.1
3665	8.2	201155.0	+4252.8	3754	7.5	202234.1	+4235.0	3843	9.2	203803.4	+4221.3	3933	9.5	205436.8	+4232.9
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3667	9.2	201216.6	+4208.7	3756	9.5	202310.0	+4217.2	3845	9.5	203823.8	+4237.6	3935	30.0	205445.9	+4202.0
3668	9.3	201225.5	+4227.0	3757	8.9	202314.4	+4215.2	3846	9.5	203834.6	+4245.9	3936	8.1	205513.4	+4259.6
3669	9.4	201230.0	+4235.6	3758	9.5	202337.1	+4204.0	3847	8.3	203900.0	+4206.8	3937	9.2	205541.5	+4212.6
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3672	8.7	201238.5	+4244.2	3761	9.2	202352.9	+4248.8	3850	9.5	203911.2	+4238.5	3940	9.5	205603.7	+4227.5
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3675	9.5	201257.2	+4246.0	3764	8.9	202456.7	+4257.0	3853	9.5	204019.6	+4251.6	3943	9.4	205639.7	+4207.0
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3678	9.5	201313.0	+4206.2	3767	8.8	202529.5	+4215.7	3856	9.3	204122.3	+4209.2	3946	9.5	205647.2	+4259.2
3679	9.3	201314.5	+4236.9	3768	7.5	202532.2	+4258.9	3857	9.5	204126.7	+4220.7	3947	8.8	205651.1	+4226.0
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3681	9.3	201332.2	+4222.3	3770	9.5	202600.7	+4211.0	3859	9.5	204146.8	+4256.0	3949	9.3	205743.3	+4259.2
3682	9.3	201340.6	+4223.5	3771	9.5	202611.6	+4206.2	3860	9.3	204147.8	+4247.8	3950	9.5	205804.0	+4235.7
3683	9.3	201343.4	+4208.7	3772	9.4	202614.5	+4221.8	3861	8.7	204203.1	+4216.5	3951	9.5	205805.2	+4220.6
3684	9.0	201348.6	+4209.4	3773	9.5	202640.7	+4216.3	3862	9.1	204211.7	+4241.4	3952	9.5	205806.3	+4258.8
3685	8.3	201352.4	+4216.5	3774	8.8	202642.6	+4246.8	3863	9.1	204217.9	+4232.9	3953	9.1	205807.8	+4215.7
3686	9.4	201352.7	+4240.4	3775	8.8	202711.0	+4234.2	3864	9.1	204229.8	+4254.4	3954	9.5	205832.2	+4221.2
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3689	9.5	201412.7	+4225.7	3778	6.5	202749.5	+4241.9	3867	9.5	204311.1	+4253.1	3957	9.4	205933.1	+4239.6
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4703	9.3	232718.2	+4202.7	4793	9.5	234953.0	+4256.1	45	9.5	01438.6	+4157.9	135	9.5	03958.1	+4159.4
4704	9.5	232744.3	+4236.8	4794	9.4	235013.1	+4209.5	46	9.0	01444.1	+4147.9	136	9.5	04018.4	+4119.8
4705	9.5	232746.8	+4239.2	4795	9.5	235013.6	+4234.7	47	9.0	01526.0	+4134.7	137	9.5	04024.3	+4146.2
4706	7.5	232748.7	+4224.7	4796	9.3	235036.5	+4250.0	48	9.5	01527.2	+4146.7	138	8.8	04025.7	+4109.3
4707	9.5	232901.8	+4255.2	4797	9.3	235038.6	+4256.6	49	9.5	01529.7	+4141.5	139	9.5	04034.4	+4123.2
4708	9.3	232907.6	+4225.3	4798	9.3	235044.8	+4252.4	50	7.9	01559.4	+4116.3	140	8.8	04054.1	+4154.1
4709	8.9	232921.5	+4236.0	4799	9.3	235045.3	+4258.9	51	9.5	01602.2	+4117.4	141	9.5	04111.9	+4125.5
4710	9.4	232934.6	+4254.9	4800	9.5	235052.4	+4217.6	52	9.5	01627.1	+4115.2	142	9.1	04142.9	+4137.7
4711	9.1	232845.4	+4236.0	4801	9.5	235101.3	+4213.1	53	9.4	01628.9	+4133.4	143	9.5	04145.9	+4139.9
4712	9.5	232918.8	+4259.8	4802	9.5	235119.2	+4253.9	54	9.5	01651.0	+4156.9	144	9.5	04222.5	+4145.1
4713	9.2	232943.6	+4207.2	4803	8.4	235141.6	+4209.3	55	9.3	01657.4	+4144.4	145	9.5	04223.8	+4151.8
4714	7.8	232947.8	+4230.8	4804	8.8	235144.6	+4224.1	56	9.3	01706.1	+4118.3	146	9.2	04235.9	+4122.0
4715	8.7	233023.9	+4248.9	4805	8.9	235154.2	+4240.3	57	9.2	01730.9	+4147.6	147	9.5	04238.0	+4138.1
4716	8.2	233024.5	+4254.6	4806	9.0	235210.0	+4231.6	58	9.5	01741.2	+4132.5	148	8.5	04253.6	+4108.3
4717	8.9	233041.4	+4249.3	4807	9.5	235211.6	+4203.7	59	9.5	01758.1	+4132.5	149	9.3	04401.4	+4126.2
4718	9.2	233048.6	+4236.0	4808	9.5	235246.7	+4235.8	60	9.1	01804.4	+4150.6	150	9.0	04421.2	+4132.3
4719	7.5	233058.7	+4216.0	4809	9.5	235300.1	+4229.9	61	9.4	01829.6	+4110.0	151	9.5	04424.5	+4154.9
4720	4.2	233103.0	+4228.0	4810	9.5	235305.9	+4208.8	62	9.1	01839.0	+4159.9	152	9.3	04427.8	+4148.0
4721	9.5	233106.9	+4206.8	4811	9.3	235324.6	+4237.5	63	9.5	01907.2	+4154.2	153	9.4	04433.7	+4130.4
4722	9.5	233122.6	+4210.0	4812	9.0	235345.3	+4206.1	64	9.4	01942.2	+4121.2	154	9.1	04502.2	+4148.0
4723	9.5	233124.1	+4240.2	4813	8.8	235348.1	+4212.2	65	9.5	01951.5	+4127.6	155	9.3	04530.3	+4106.8
4724	9.4	233142.7	+4219.9	4814	8.9	235353.3	+4223.0	66	9.5	01955.9	+4122.3	156	9.5	04546.2	+4153.2
4725	9.5	233227.4	+4210.0	4815	9.3	235444.5	+4236.5	67	8.4	02030.4	+4123.2	157	9.5	04601.8	+4117.5
4726	7.5	233230.8	+4231.8	4816	9.3	235452.1	+4247.8	68	9.0	02101.2	+4148.0	158	9.3	04604.8	+4119.2
4727	9.5	233232.4	+4210.8	4817	7.3	235517.1	+4206.8	69	8.4	02101.6	+4135.2	159	9.5	04605.8	+4117.4
4728	9.5	233259.0	+4243.5	4818	8.3	235526.1	+4243.1	70	9.4	02211.7	+4109.0	160	9.3	04618.7	+4101.0
4729	9.5	233328.8	+4229.4	4819	7.5	235545.1	+4249.8	71	9.4	02223.4	+4138.3	161	9.5	04623.9	+4157.1
4730	9.5	233334.1	+4222.7	4820	9.5	235548.5	+4255.8	72	9.4	02228.4	+4132.5	162	9.0	04655.7	+4140.0
4731	9.2	233345.7	+4256.2	4821	9.1	235623.3	+4254.5	73	9.4	02250.9	+4147.3	163	7.8	04707.7	+4127.9
4732	9.1	233350.2	+4245.5	4822	9.2	235649.9	+4204.6	74	7.5	02339.0	+4144.1	164	8.0	04709.9	+4153.7
4733	9.5	233355.4	+4219.7	4823	8.6	235656.1	+4247.9	75	9.5	02339.0	+4103.7	165	9.2	04750.0	+4123.5
4734	9.5	233401.2	+4240.5	4824	9.4	235700.5	+4248.1	76	9.4	02409.8	+4102.6	166	9.2	04754.8	+4122.1
4735	9.2	233402.5	+4238.4	4825	9.0	235701.8	+4244.8	77	9.1	02414.7	+4126.0	167	9.5	04803.6	+4152.6
4736	9.1	233407.3	+4259.0	4826	9.1	235706.0	+4256.0	78	9.1	02417.4	+4146.3	168	9.4	04814.0	+4117.3
4737	9.5	233416.9	+4228.5	4827	8.4	235709.1	+4245.2	79	9.5	02437.0	+4152.6	169	9.5	04843.0	+4152.0
4738	9.1	233437.4	+4241.9	4828	9.5	235716.5	+4203.3	80	9.1	02508.9	+4127.4	170	9.3	04913.7	+4114.4
4739	9.0	233452.9	+4223.5	4829	9.3	235719.5	+4225.7	81	9.5	02517.8	+4159.0	171	9.5	04929.0	+4128.9
4740	9.4	233515.4	+4229.4	4830	9.4	235804.9	+4241.8	82	8.9	02555.4	+4137.0	172	7.5	04940.0	+4141.7
4741	8.3	233551.1	+4225.8	4831	8.5	235810.4	+4235.4	83	9.5	02606.4	+4141.1	173	9.3	04941.8	+4111.8
4742	8.2	233600.9	+4232.1	4832	9.1	235825.9	+4215.2	84	9.0	02610.5	+4117.3	174	9.0	05010.3	+4113.5
4743	9.5	233613.8	+4221.8	4833	9.5	235841.0	+4246.4	85	9.5	02622.8	+4105.0	175	9.0	05014.7	+4127.5
4744	9.4	233634.7	+4225.2	4834	9.0	235906.3	+4257.7	86	9.0	02645.4	+4121.5	176	9.5	05027.5	+4132.3
4745	8.5	233707.8	+4220.1	4835	9.5	235908.1	+4247.8	87	7.7	02714.6	+4154.5	177	9.0	05031.3	+4104.7
4746	9.1	233730.1	+4217.4	4836	9.5	235908.4	+4240.2	88	9.5	02715.4	+4125.9	178	9.5	05048.2	+4120.5
4747	6.6	233734.7	+4256.2	4837	9.3	235910.7	+4238.1	89	9.5	02739.4	+4124.6	179	9.5	05048.8	+4108.3
4748	9.5	233752.3	+4226.2	4838	9.2	235928.2	+4202.7	90	9.4	02800.9	+4118.0	180	9.5	05050.4	+4153.5
4749	9.5	233754.5	+4210.2	1	8.7	00019.1	+4153.8	91	8.8	02804.5	+4135.6	181	9.5	05051.7	+4101.4
4750	9.5	233806.8	+4233.7	2	8.6	00045.4	+4126.6	92	9.5	02905.2	+4127.3	182	9.5	05125.9	+4144.8
4751	9.3	233850.1	+4224.7	3	8.4	00056.1	+4107.4	93	9.5	02926.9	+4132.9	183	9.3	05228.2	+4123.3
4752	9.5	233854.0	+4205.8	4	9.4	00140.9	+4127.3	94	9.1	02932.3	+4108.8	184	9.4	05251.7	+4144.8
4753	9.3	233855.7	+4235.6	5	9.1	00154.0	+4143.9	95	9.5	02950.7	+4105.8	185	8.9	05252.9	+4102.1
4754	9.3	233857.0	+4208.3	6	9.3	00205.9	+4118.7	96	8.0	02952.6	+4144.8	186	9.3	05302.5	+4134.2
4755	9.5	233858.0	+4238.9	7	9.5	00212.4	+4154.4	97	8.8	02957.3	+4154.4	187	8.9	05317.2	+4156.7
4756	9.3	233900.0	+4213.5	8	9.2	00231.9	+4155.9	98	9.5	03007.0	+4152.7	188	9.2	05340.4	+4151.7
4757	9.0	233911.8	+4251.7	9	8.5	00250.6	+4147.2	99	9.5	03058.9	+4108.8	189	9.5	05409.2	+4151.9
4758	9.4	233931.9	+4238.0	10	9.5	00255.4	+4116.0	100	8.3	03127.4	+4108.1	190	8.5	05409.5	+4157.1
4759	8.4	233939.6	+4252.4	11	9.4	00408.3	+4100.3	101	9.0	03155.0	+4135.2	191	9.3	05415.7	+4124.7
4760	8.6	233959.9	+4245.0	12	9.2	00416.8	+4100.3	102	9.2	03217.3	+4149.8	192	9.3	05417.2	+4144.1
4761	9.5	234000.4	+4248.0	13	9.5	00420.7	+4146.0	103	9.2	03238.3	+4102.6	193	9.5	05431.8	+4140.0
4762	8.6	234045.9	+4255.3	14	9.4	00433.6	+4135.0	104	9.5	03245.0	+4133.8	194	8.8	05535.8	+4146.5
4763	9.5	234051.4	+4225.8	15	9.5	00456.1	+4146.0	105	8.7	03247.1	+4106.9	195	9.3	05559.3	+4140.7
4764	8.5	234056.7	+4218.5	16	9.4	00505.5	+4106.8	106	9.4	03308.7	+4100.1	196	9.4	05601.9	+4143.2
4765	8.9	234112.6	+4247.0	17	9.5	00518.1	+4154.9	107	9.4	03323.0	+4118.3	197	9.3	05606.4	+4116.8
4766	9.5	234119.1	+4248.5	18	8.8	00523.2	+4103.0	108	9.4	03325.6	+4115.3	198	9.2	05623.3	+4156.6
4767	9.3	234128.8	+4229.0	19	9.1	00554.4	+4138.6	109	8.8	03327.6	+4124.3	199	9.4	05625.3	+4152.6
4768	9.5	234139.7	+4204.5	20	9.5	00609.6	+4155.3	110	9.1</						

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215	8.9	10048.8	+4133.2	305	9.0	12552.2	+4133.9	394	9.5	15434.6	+4104.4	484	9.5	22533.1	+4154.0
216	9.2	10108.7	+4154.7	306	9.1	12557.9	+4138.2	395	2.0	15501.7	+4137.6	485	8.5	22540.0	+4108.9
217	9.0	10110.2	+4151.3	307	9.3	12610.1	+4129.0	396	9.5	15515.3	+4103.5	486	9.1	22540.1	+4137.8
218	8.5	10121.2	+4147.2	308	9.3	12617.5	+4132.8	397	9.0	15522.0	+4151.7	487	8.8	22540.2	+4129.0
219	6.2	10208.3	+4118.2	309	8.9	12621.7	+4132.0	398	8.9	15527.2	+4122.2	488	8.9	22615.1	+4129.0
220	9.4	10210.5	+4112.0	310	9.5	12627.8	+4138.8	399	9.2	15531.1	+4152.3	489	9.5	22635.5	+4148.7
221	8.0	10225.7	+4122.3	311	8.3	12643.3	+4138.8	400	9.2	15619.8	+4138.4	490	9.4	22658.1	+4136.0
222	9.1	10229.1	+4135.1	312	9.5	12736.3	+4131.8	401	9.5	15712.6	+4150.6	491	9.3	22702.6	+4116.5
223	8.7	10335.6	+4118.5	312a	9.5	12743.0	+4155.4	402	9.0	15738.5	+4104.2	492	9.4	22709.6	+4133.9
224	8.1	10340.7	+4127.8	313	9.5	12759.8	+4119.2	403	9.5	15751.9	+4103.2	493	9.3	22710.0	+4138.2
225	9.5	10357.8	+4137.0	314	8.3	12808.5	+4111.9	404	9.5	15758.0	+4109.3	494	9.5	22710.1	+4114.0
226	9.5	10420.3	+4147.3	315	8.7	12818.5	+4155.0	405	9.3	15850.2	+4154.6	495	7.3	22725.0	+4145.8
227	9.5	10514.9	+4140.0	316	9.3	12901.3	+4158.0	406	8.5	15933.0	+4125.4	496	7.3	22751.5	+4125.9
228	9.3	10638.4	+4103.8	317	8.9	12918.9	+4126.7	407	8.4	15933.0	+4149.6	497	9.5	22803.1	+4126.5
229	8.2	10649.9	+4103.3	318	9.4	12949.5	+4155.0	408	8.0	15944.2	+4129.0	498	9.4	22837.0	+4132.5
230	9.5	10704.0	+4130.4	319	9.5	13006.8	+4156.7	409	9.3	15953.7	+4101.7	499	9.5	22902.6	+4100.8
231	9.0	10705.3	+4124.8	320	9.3	13030.4	+4131.9	410	9.5	20003.0	+4130.2	500	9.1	22910.1	+4129.9
232	8.5	10716.8	+4158.1	321	8.8	13101.2	+4159.7	411	7.5	20009.7	+4116.5	501	9.0	22911.7	+4135.4
233	9.5	10725.2	+4141.7	322	9.5	13111.4	+4112.5	412	8.0	20044.2	+4118.7	502	9.4	23029.0	+4143.1
234	9.1	10817.6	+4129.3	323	9.5	13141.3	+4146.4	413	9.0	20049.9	+4159.7	503	9.4	23036.1	+4123.4
235	9.5	10827.3	+4144.9	324	9.5	13150.9	+4129.0	414	9.5	20124.0	+4140.3	504	30.0	23049.7	+4134.3
236	8.4	10847.2	+4107.6	325	9.2	13230.0	+4109.7	415	9.5	20129.0	+4133.4	505	9.5	23056.2	+4139.4
237	9.5	10848.2	+4154.0	326	9.4	13230.7	+4136.5	416	9.5	20130.0	+4136.6	506	9.5	23105.5	+4134.3
238	8.5	10853.7	+4117.1	327	9.2	13253.7	+4133.0	417	9.3	20141.1	+4111.6	507	9.0	23107.1	+4151.6
239	9.3	10926.5	+4107.4	328	5.3	13259.4	+4153.1	418	8.3	20228.8	+4157.7	508	9.2	23108.0	+4138.8
240	8.8	10936.3	+4125.3	329	8.5	13339.2	+4110.3	419	8.8	20229.4	+4157.7	509	9.5	23137.1	+4124.4
241	9.1	10958.2	+4155.8	330	8.5	13347.5	+4127.4	420	9.0	20254.8	+4135.7	510	9.5	23137.8	+4149.7
242	9.5	11018.3	+4133.1	331	8.7	13405.9	+4158.2	421	8.9	20302.5	+4105.4	511	9.2	23137.8	+4128.4
243	9.1	11024.6	+4155.5	332	9.5	13415.9	+4156.0	422	8.0	20312.0	+4127.3	512	9.5	23152.6	+4118.0
244	9.3	11046.7	+4110.6	333	9.3	13426.3	+4122.8	423	9.5	20316.2	+4158.0	513	9.5	23211.6	+4156.0
245	9.5	11049.0	+4112.6	334	9.3	13429.1	+4154.0	424	9.2	20427.2	+4137.8	514	8.0	23213.9	+4158.1
246	8.4	11122.1	+4149.0	335	9.0	13430.2	+4102.5	425	9.5	20455.2	+4134.8	515	9.5	23233.5	+4149.5
247	9.2	11124.9	+4140.7	336	9.4	13455.3	+4158.2	426	8.7	20549.7	+4113.9	516	9.3	23246.4	+4155.0
248	9.0	11125.0	+4101.1	337	9.4	13526.4	+4115.5	427	9.5	20629.2	+4116.0	517	8.3	23257.5	+4132.9
249	9.5	11129.8	+4157.8	338	9.3	13600.3	+4110.3	428	9.5	20630.9	+4110.1	518	9.5	23305.0	+4105.1
250	9.5	11137.7	+4127.2	339	9.4	13610.9	+4138.9	429	9.5	20641.3	+4134.7	519	9.5	23310.0	+4159.2
251	9.5	11139.9	+4101.5	340	9.3	13630.4	+4146.3	430	8.0	20645.7	+4146.5	520	9.2	23317.1	+4134.3
252	7.0	11146.2	+4112.6	341	9.5	13757.8	+4150.0	431	9.5	20709.8	+4116.4	521	7.2	23317.6	+4158.2
253	9.5	11151.7	+4130.4	342	8.7	13831.7	+4128.1	432	9.5	20750.2	+4115.4	522	9.5	23335.7	+4159.7
254	9.5	11205.4	+4124.6	343	9.5	13847.4	+4122.4	433	8.4	20823.1	+4142.6	523	9.4	23335.1	+4122.0
255	9.5	11228.0	+4127.9	344	9.1	13855.3	+4134.2	434	9.0	20839.4	+4142.0	524	9.5	23352.5	+4127.0
256	8.8	11333.5	+4157.1	345	9.1	13901.2	+4103.2	435	7.9	20842.4	+4155.1	525	8.5	23410.0	+4114.5
257	9.1	11348.0	+4121.6	346	9.1	13901.8	+4150.7	436	9.1	20916.0	+4114.9	526	9.2	23410.6	+4107.5
258	9.0	11401.8	+4154.6	347	9.0	13904.3	+4141.7	437	9.5	20923.3	+4141.2	527	8.9	23410.7	+4113.5
259	9.0	11418.3	+4120.8	348	9.4	13908.8	+4154.0	438	9.5	20959.5	+4150.0	528	8.5	23545.6	+4133.9
260	9.0	11420.5	+4147.1	349	9.5	13919.2	+4101.6	439	9.1	21017.8	+4147.5	529	9.5	23545.4	+4142.4
261	9.0	11421.2	+4112.7	350	9.2	14007.5	+4102.9	440	9.1	21024.8	+4125.3	530	8.4	23620.2	+4155.1
262	9.4	11436.3	+4149.8	351	8.8	14009.0	+4131.8	441	9.5	21105.6	+4144.6	531	9.0	23636.2	+4129.7
263	9.5	11505.3	+4151.0	352	8.9	14013.8	+4159.0	442	9.5	21106.6	+4153.0	532	8.2	23640.0	+4118.1
264	9.5	11522.2	+4130.0	353	8.4	14032.3	+4116.5	443	9.5	21121.4	+4112.1	533	9.2	23640.6	+4108.4
265	9.5	11524.5	+4159.1	354	9.2	14040.0	+4148.5	444	9.5	21122.0	+4103.6	534	9.0	23641.5	+4129.9
266	9.5	11555.0	+4119.0	355	9.5	14042.8	+4123.6	445	9.5	21142.6	+4129.4	535	9.3	23646.8	+4103.6
267	9.3	11616.2	+4129.5	356	9.5	14113.9	+4102.7	446	9.5	21152.2	+4158.5	536	9.5	23715.5	+4149.7
268	8.8	11640.4	+4142.9	357	9.0	14123.3	+4143.3	447	9.1	21156.1	+4120.5	537	9.3	23742.8	+4129.9
269	9.0	11650.4	+4132.5	358	8.8	14140.2	+4123.7	448	9.3	21309.6	+4156.6	538	7.5	23749.8	+4133.8
270	8.7	11705.1	+4109.9	359	9.5	14201.8	+4126.8	449	9.3	21311.5	+4112.5	539	9.5	23822.5	+4157.3
271	9.5	11732.8	+4154.5	360	9.5	14210.3	+4144.9	450	9.2	21400.7	+4133.2	540	9.4	23832.1	+4118.1
272	9.3	11741.0	+4102.3	361	9.5	14352.9	+4137.5	451	9.0	21428.0	+4104.6	541	8.9	23834.8	+4113.6
273	7.3	11748.4	+4132.9	362	8.0	14403.0	+4107.7	452	8.9	21455.8	+4145.2	542	9.5	23900.0	+4108.0
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940	9.5	43331.4	+4128.2	1030	9.4	45054.3	+4114.5	1120	9.2	50407.6	+4102.9	1210	9.5	52114.1	+4123.3
941	8.9	43348.1	+4142.3	1031	9.0	45102.3	+4102.5	1121	9.1	50414.3	+4143.1	1211	9.5	52131.9	+4112.7
942	9.5	43407.6	+4139.7	1032	9.5	45107.0	+4100.5	1122	9.4	50432.1	+4117.9	1212	9.5	52147.4	+4131.9
943	9.5	43416.8	+4131.8	1033	8.0	45109.5	+4147.2	1123	9.5	50435.2	+4112.7	1213	9.5	52154.3	+4124.5
944	9.5	43421.6	+4158.2	1034	9.4	45114.6	+4142.3	1124	8.1	50438.5	+4109.9	1214	9.0	52156.0	+4143.8
945	9.1	43425.9	+4150.2	1035	9.4	45129.3	+4157.0	1125	8.9	50508.3	+4144.8	1215	9.3	52233.8	+4111.9
946	9.0	43428.0	+4105.1	1036	9.2	45133.6	+4157.5	1126	9.2	50517.5	+4131.9	1216	9.4	52248.9	+4135.0
947	9.5	43439.2	+4139.5	1037	9.3	45143.5	+4155.4	1127	8.1	50520.0	+4140.7	1217	8.5	52252.8	+4131.8
948	9.5	43440.6	+4152.5	1038	9.2	45150.8	+4106.0	1128	9.3	50532.1	+4105.2	1218	6.8	52310.2	+4159.9
949	9.5	43526.3	+4141.0	1039	9.2	45200.8	+4155.6	1129	9.0	50543.1	+4115.5	1219	9.5	52311.1	+4135.7
950	9.5	43534.6	+4149.4	1040	9.4	45205.3	+4111.6	1130	9.2	50548.7	+4144.0	1220	9.0	52347.1	+4157.2
951	9.1	43540.4	+4103.2	1041	9.4	45209.8	+4128.2	1131	9.4	50555.8	+4138.6	1221	8.8	52351.6	+4139.9
952	9.5	43550.9	+4124.8	1042	9.4	45212.7	+4153.3	1132	9.3	50613.9	+4157.8	1222	7.5	52404.1	+4100.6
953	9.5	43613.4	+4121.0	1043	9.5	45301.9	+4150.4	1133	9.0	50624.6	+4108.3	1223	9.3	52411.7	+4107.3
954	9.5	43618.7	+4122.5	1044	6.5	45308.5	+4113.8	1134	9.5	50634.2	+4150.5	1224	9.4	52419.3	+4134.7
955	9.5	43645.2	+4139.4	1045	9.4	45319.1	+4131.2	1135	8.8	50636.4	+4157.4	1225	9.0	52458.3	+4137.9
956	7.0	43655.9	+4102.4	1046	8.8	45407.6	+4123.5	1136	9.5	50722.1	+4120.7	1226	8.5	52510.7	+4126.0
957	9.2	43713.2	+4130.8	1047	9.5	45422.0	+4130.3	1137	8.6	50729.0	+4151.8	1227	8.3	52528.6	+4112.0
958	9.4	43719.8	+4105.3	1048	9.1	45437.7	+4101.6	1138	8.5	50731.6	+4138.4	1228	9.4	52552.0	+4120.7
959	9.5	43727.9	+4141.8	1049	9.5	45444.0	+4147.7	1139	8.8	50733.5	+4142.1	1229	8.9	52621.4	+4100.8
960	9.4	43733.1	+4127.6	1050	8.0	45446.5	+4140.1	1140	9.1	50735.0	+4120.3	1230	8.3	52639.2	+4110.4
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963	9.5	43806.0	+4151.5	1053	9.4	45513.5	+4111.2	1143	8.0	50806.4	+4157.0	1233	9.0	52707.2	+4155.7
964	9.5	43820.2	+4151.3	1054	9.5	45534.4	+4122.0	1144	9.4	50807.3	+4146.3	1234	9.4	52739.5	+4105.0
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966	9.2	43846.3	+4122.6	1056	9.5	45555.6	+4131.1	1146	9.3	50902.5	+4159.9	1236	9.3	52815.4	+4105.3
967	9.5	43846.4	+4150.2	1057	9.2	45109.5	+4133.8	1147	9.5	50911.0	+4157.3	1237	9.5	52822.9	+4150.7
968	9.4	43936.6	+4122.1	1058	3.4	45421.2	+4102.4	1148	9.5	50917.4	+4150.7	1238	7.0	52825.5	+4145.2
969	9.4	43940.8	+4157.4	1059	9.5	45446.4	+4111.7	1149	9.5	50925.7	+4112.5	1239	9.5	52847.9	+4126.0
970	8.8	43944.0	+4128.6	1060	9.4	45700.0	+4116.5	1150	9.5	50926.5	+4158.1	1240	7.0	52854.4	+4116.2
971	9.3	43944.9	+4127.3	1061	8.2	45714.5	+4153.6	1151	9.5	50929.3	+4105.0	1241	9.3	52858.8	+4139.8
972	9.2	43949.3	+4132.6	1062	9.4	45717.3	+4112.1	1152	8.1	50930.6	+4103.2	1242	9.5	52908.4	+4157.2
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974	9.2	44003.3	+4124.6	1064	9.5	45744.7	+4106.2	1154	8.7	50939.3	+4104.7	1244	9.3	52950.9	+4128.7
975	9.4	44006.1	+4149.2	1065	8.8	45735.6	+4148.8	1155	9.3	50946.9	+4133.8	1245	9.5	52956.8	+4121.3
976	9.1	44012.1	+4134.5	1066	9.4	45752.3	+4118.5	1156	9.4	51003.9	+4147.1	1246	9.3	52957.4	+4119.2
977	9.4	44042.0	+4114.9	1067	9.4	45801.1	+4115.7	1157	9.3	51011.5	+4107.7	1247	9.5	52958.5	+4126.2
978	9.5	44044.4	+4122.4	1068	9.1	45801.4	+4125.0	1158	8.4	51020.7	+4115.5	1248	9.4	53003.0	+4124.3
979	9.4	44050.8	+4125.0	1069	9.4	45811.7	+4111.3	1159	9.5	51036.9	+4156.9	1249	9.5	53045.3	+4102.5
980	8.1	44057.6	+4119.2	1070	9.5	45811.8	+4153.8	1160	9.5	51058.0	+4139.2	1250	8.8	53048.1	+4116.6
981	9.3	44110.0	+4132.1	1071	9.2	45811.9	+4152.8	1161	8.8	51117.5	+4150.8	1251	9.5	53050.0	+4141.7
982	9.5	44113.3	+4133.4	1072	9.5	45812.1	+4152.0	1162	6.0	51133.8	+4139.5	1252	9.4	53215.7	+4107.8
983	9.5	44113.4	+4108.2	1073	9.4	45818.0	+4152.7	1163	8.8	51135.4	+4120.6	1253	9.1	53216.0	+4140.5
984	9.0	44131.0	+4145.2	1074	9.5	45826.8	+4145.2	1164	8.3	51135.7	+4154.5	1254	9.5	53225.3	+4140.3
985	9.4	44137.9	+4102.3	1075	8.5	45838.1	+4132.7	1165	9.4	51140.8	+4101.0	1255	9.5	53242.2	+4156.9
986	9.4	44138.5	+4104.2	1076	9.1	45849.0	+4102.0	1166	8.6	51144.3	+4152.8	1256	7.0	53256.1	+4137.5
987	7.8	44140.5	+4147.5	1077	8.6	45904.0	+4151.0	1167	8.7	51145.4	+4145.9	1257	7.3	53303.3	+4102.8
988	9.5	44209.1	+4134.6	1078	9.4	45905.3	+4154.2	1168	9.4	51149.8	+4105.8	1258	9.2	53315.7	+4122.9
989	9.4	44212.2	+4151.6	1079	8.7	45910.0	+4129.4	1169	9.4	51212.7	+4157.6	1259	9.3	53351.6	+4136.5
990	8.6	44225.9	+4132.1	1080	9.4	45914.4	+4108.0	1170	9.3	51227.8	+4140.1	1260	9.5	53354.1	+4142.8
991	9.5	44230.3	+4137.9	1081	9.5	45916.6	+4140.8	1171	8.8	51237.7	+4157.9	1261	9.5	53410.0	+4108.1
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993	9.4	44252.1	+4117.2	1083	9.4	45929.1	+4135.6	1173	9.2	51259.1	+4110.5	1263	9.5	53431.3	+4117.6
994	9.5	44258.6	+4158.4	1084	9.5	45934.2	+4116.8	1174	9.4	51321.8	+4104.8	1264	9.5	53454.0	+4147.5
995	9.4	44259.8	+4144.1	1085	9.5	45945.7	+4102.9	1175	8.7	51322.5	+4127.4	1265	9.5	53526.3	+4104.6
996	8.8	44308.3	+4152.0	1086	9.4	45957.6	+4107.5	1176	9.3	51327.0	+4107.4	1266	9.0	53544.9	+4107.3
997	9.5	44314.0	+4126.4	1087	9.2	45958.4	+4155.9	1177	9.5	51354.1	+4129.9	1267	9.4	53545.3	+4126.5
998	8.7	44350.6	+4147.0	1088	8.5	50006.2	+4141.9	1178	9.5	51404.8	+4157.8	1268	9.0	53549.5	+4110.2
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1000	9.2	44359.8	+4155.5	1090	9.4	50011.7	+4127.0	1180	9.0	51413.2	+4146.0	1270	9.5	53614.8	+4135.2
1001	9.4	44409.3	+4126.3	1091	9.0	50016.9	+4106.1	1181	8.2	51415.0	+4140.9	1271	9.5	53645.2	+4152.3
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1004	9.4	44531.6	+4143.1	1094	8.9	50027.2	+4100.2	1184	9.4	51454.4	+4153.3	1274	9.5	53746.5	+4114.4
1005	8.9	44536.1	+4109.4	1095	9.5	50037.4	+4130.7	1185	9.5	51513.8	+4150.0	1275	9.3	53814.3	+4145.8
1006	9.5	44543.0	+4132.0	1096	9.5	50045.9	+4146.9	1186	9.5	51529.0	+4102.8	1276	9.4	53841.9	+4128.3
1007	8.9	44613.0	+4115.6	1097	9.5	50102.1	+4143.5	1187	9.4	51533.3	+4129.4	1			

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1652 9.5	71604.7	+4105.8	1742 8.4	74353.4	+4123.2	1832 9.5	81710.4	+4112.3	1922 8.5	85903.0	+4144.2
1653 9.1	71638.2	+4102.3	1743 9.5	74422.1	+4102.0	1833 9.1	81719.5	+4111.0	1923 9.5	85934.8	+4130.3
1654 9.2	71638.8	+4123.8	1744 9.5	74425.0	+4133.1	1834 9.5	81723.0	+4134.3	1924 9.0	90007.6	+4103.8
1655 9.4	71640.5	+4130.3	1745 9.4	74456.6	+4114.1	1835 9.3	81757.0	+4104.1	1925 9.5	90030.2	+4146.4
1656 9.0	71742.4	+4150.3	1746 9.5	74458.9	+4133.6	1836 9.5	81803.9	+4154.5	1926 9.5	90041.1	+4109.2
1657 9.5	71748.1	+4157.5	1747 9.1	74510.5	+4102.5	1837 9.5	81810.8	+4127.3	1927 9.1	90051.0	+4147.8
1658 9.0	71817.8	+4110.0	1748 9.0	74511.0	+4156.9	1838 9.4	81902.5	+4156.0	1928 9.5	90136.0	+4147.3
1659 8.7	71819.7	+4139.8	1749 9.1	74548.5	+4143.9	1839 9.5	81904.3	+4114.3	1929 9.5	90209.3	+4112.7
1660 9.3	71827.2	+4115.5	1750 9.4	74554.9	+4107.8	1840 9.5	81940.1	+4108.3	1930 9.3	90223.8	+4134.1
1661 9.5	71839.9	+4135.3	1751 9.2	74640.4	+4111.3	1841 9.0	82004.6	+4111.8	1931 9.4	90314.3	+4118.1
1662 9.5	71901.8	+4141.2	1752 9.4	74654.0	+4153.5	1842 9.5	82012.5	+4119.8	1932 9.0	90320.7	+4119.4
1663 9.5	71915.6	+4155.1	1753 9.5	74657.1	+4114.6	1843 9.0	82034.3	+4114.8	1933 9.4	90344.9	+4117.8
1664 9.2	71944.0	+4138.3	1754 8.5	74658.3	+4121.1	1844 9.1	82044.8	+4124.9	1934 8.0	90345.8	+4128.8
1665 9.5	71944.3	+4132.8	1755 8.2	74658.7	+4126.6	1845 9.5	82100.6	+4104.3	1935 9.5	90404.7	+4106.4
1666 9.3	71954.4	+4126.5	1756 8.4	74712.4	+4132.1	1846 9.3	82104.6	+4146.6	1936 9.5	90431.7	+4126.3
1667 8.8	71959.1	+4130.6	1757 9.0	74742.5	+4141.0	1847 9.5	82243.2	+4124.6	1937 9.5	90600.8	+4122.1
1668 9.2	71959.4	+4133.8	1758 8.2	74758.6	+4122.1	1848 9.2	82251.4	+4138.5	1938 9.0	90637.2	+4143.8
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1671 9.5	72025.3	+4140.7	1761 9.5	74904.1	+4153.6	1851 9.2	82436.5	+4147.0	1941 8.8	90707.8	+4118.8
1672 8.6	72034.2	+4132.8	1762 9.5	74907.1	+4154.0	1852 9.5	82506.9	+4156.2	1942 9.1	90746.3	+4116.5
1673 9.0	72037.6	+4103.7	1763 8.8	74915.0	+4114.6	1853 7.0	82523.4	+4130.6	1943 9.3	90752.0	+4114.3
1674 9.1	72038.9	+4115.0	1764 7.0	75011.5	+4148.5	1854 9.3	82626.5	+4158.2	1944 8.9	90752.1	+4111.8
1675 8.0	72139.2	+4145.5	1765 8.0	75024.8	+4111.1	1855 9.1	82655.4	+4141.0	1945 9.1	90842.4	+4153.9
1676 9.3	72144.3	+4111.8	1766 9.3	75054.7	+4121.2	1856 9.5	82659.8	+4100.6	1946 9.1	90901.4	+4128.4
1677 9.5	72248.7	+4108.2	1767 9.3	75110.0	+4142.0	1857 9.1	82708.0	+4154.0	1947 9.5	90955.5	+4101.8
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1679 9.3	72342.4	+4151.7	1769 7.4	75130.6	+4115.7	1859 9.3	82746.1	+4120.3	1949 9.1	91051.6	+4135.0
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1684 9.4	72502.1	+4124.9	1774 9.5	75156.2	+4105.2	1864 8.0	83012.2	+4153.0	1954 9.5	91402.0	+4139.2
1685 9.5	72503.6	+4128.7	1775 9.4	75244.2	+4156.9	1865 9.2	83030.8	+4148.3	1955 9.0	91440.9	+4123.7
1686 8.8	72516.7	+4146.6	1776 9.5	75324.5	+4132.9	1866 9.0	83036.4	+4135.9	1956 8.5	91547.0	+4147.2
1687 9.3	72641.6	+4102.7	1777 9.0	75355.6	+4107.6	1867 9.5	83117.0	+4152.0	1957 8.3	91547.2	+4128.4
1688 9.2	72651.1	+4109.0	1778 9.5	75358.0	+4120.6	1868 9.3	83140.5	+4121.0	1958 8.5	91634.1	+4149.7
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1690 9.5	72715.4	+4136.2	1780 7.5	75532.7	+4135.4	1870 9.0	83454.8	+4127.9	1960 9.5	91724.0	+4143.8
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1693 9.3	72820.6	+4133.4	1783 9.4	75742.2	+4124.1	1873 9.2	83820.2	+4137.5	1963 7.3	91828.3	+4149.2
1694 9.3	72828.8	+4134.7	1784 9.2	75805.4	+4153.2	1874 8.4	83835.7	+4127.6	1964 9.1	91903.8	+4112.5
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1696 9.5	72838.2	+4116.8	1786 9.1	75844.3	+4154.0	1876 8.0	83928.7	+4136.9	1966 8.4	91957.8	+4145.3
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1713 9.0	73351.3	+4102.0	1803 9.4	80455.2	+4147.3	1893 9.5	84907.2	+4102.2	1983 9.5	92951.0	+4153.2
1714 9.5	73353.0	+4121.0	1804 7.3	80508.3	+4100.8	1894 9.5	84935.1	+4144.9	1984 9.2	93005.4	+4150.5
1715 9.5	73400.5	+4124.0	1805 7.6	80511.8	+4134.1	1895 8.5	84936.1	+4134.2	1985 9.5	93014.1	+4146.7
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1718 9.5	73516.7	+4102.2	1808 9.5	80622.3	+4107.2	1898 8.6	85015.6	+4154.0	1988 8.8	93124.3	+4143.8
1719 9.3	73522.3	+4157.0	1809 9.3	80625.5	+4109.7	1899 9.5	85200.6	+4119.3	1989 9.5	93125.9	+4130.2
1720 9.5	73619.4	+4105.4	1810 8.5	80656.3	+4119.2	1900 9.4	85204.3	+4100.4	1990 9.5	93147.4	+4102.8
1721 9.5	73640.3	+4114.2	1811 9.5	80724.1	+4112.7	1901 7.7	85209.4	+4130.7	1991 9.2	93218.5	+4109.8
1722 9.3	73644.2	+4125.1	1812 9.2	80842.0	+4126.1	1902 9.2	85216.0	+4156.2	1992 9.1	93227.3	+4105.4
1723 8.9	73709.5	+4147.8	1813 8.5	80930.2	+4118.7	1903 9.4	85224.6	+4149.5	1993 9.5	93248.6	+4122.8
1724 9.4	73736.8	+4125.1	1814 8.7	81007.4	+4100.2	1904 8.9	85327.5	+4152.2	1994 8.8	93303.0	+4135.4
1725 9.1	73811.4	+4109.3	1815 9.5	81026.6	+4134.2	1905 9.2	85342.4	+4159.9	1995 9.4	93307.9	+4122.8
1726 9.4	73817.8	+4131.2	1816 9.1	81101.3	+4100.6	1906 8.8	85346.1	+4108.1	1996 8.0	93326.7	+4138.7
1727 9.4	73818.4	+4122.4	1817 9.5	81123.4	+4116.8	1907 9.0	85413.0	+4136.5	1997 8.8	93327.0	+4130.0
1728 8.0	73827.5	+4157.5	1818 9.5	81135.0	+4123.7	1908 9.0	85414.6	+4139.3	1998 9.1	93428.0	+4130.9
1729 9.5	73912.0	+4101.7	1819 8.9	81138.6	+4114.9	1909 9.0	85447.5	+4114.3	1999 9.0	93431.0	+4105.0
1730 9.5	73922.4	+4101.3	1820 9.5	81217.7	+4103.5	1910 8.5	85449.7	+4106.2	2000 9.0	93525.1	+4126.5
1731 8.7	73931.9	+4149.5	1821 9.3	81218.0	+4120.7	1911 8.5	85451.5	+4154.8	2001 9.2	93556.2	+4139.7
1732 9.3	74047.5	+4129.8	1822 9.5	81302.1	+4129.2	1912 8.7	85504.7	+4111.4	2		

*41 2011 9h39m

*41 2369 13h08m

2011	8.4	93920.7	+4113.0	2101	5.2	102447.3	+4109.4	2191	9.3	111954.9	+4119.5	2280	8.4	120538.4	+4103.2
2012	8.2	94005.3	+4144.2	2102	9.3	102530.9	+4118.4	2192	9.1	112012.8	+4136.4	2281	9.3	120655.5	+4138.4
2013	9.5	94017.4	+4135.3	2103	9.2	102545.6	+4127.4	2193	9.4	112014.5	+4141.3	2282	9.5	120712.4	+4148.7
2014	9.2	94048.2	+4152.7	2104	9.5	102638.0	+4120.3	2194	9.1	112036.8	+4117.8	2283	9.5	120836.9	+4102.2
2015	9.4	94158.8	+4115.0	2105	7.5	102644.7	+4137.4	2195	9.5	112054.3	+4110.5	2284	5.5	120851.5	+4128.1
2016	9.4	94159.4	+4104.7	2106	9.5	102943.9	+4147.5	2196	7.2	112106.3	+4158.8	2285	9.5	121051.8	+4155.6
2017	8.9	94241.1	+4135.3	2107	8.0	102944.1	+4110.3	2197	9.2	112143.8	+4127.5	2286	9.0	121121.3	+4135.0
2018	9.0	94255.3	+4152.7	2108	9.2	103007.6	+4131.1	2198	9.4	112238.8	+4134.1	2287	8.2	121124.2	+4143.5
2019	9.5	94259.2	+4132.9	2109	8.3	103011.1	+4104.8	2199	9.3	112256.5	+4149.2	2288	7.2	121153.2	+4107.4
2020	7.8	94319.0	+4138.6	2110	8.5	103144.6	+4122.3	2200	9.5	112256.5	+4152.0	2289	7.8	121220.4	+4145.6
2021	7.8	94338.7	+4103.7	2111	8.2	103146.5	+4103.0	2201	9.2	112350.3	+4118.6	2290	8.5	121440.3	+4131.4
2022	9.5	94506.4	+4158.7	2112	9.3	103217.0	+4140.6	2202	9.4	112503.8	+4154.5	2291	9.0	121511.3	+4135.8
2023	9.3	94529.5	+4146.1	2113	9.5	103226.1	+4118.8	2203	9.4	112504.9	+4130.3	2292	7.5	121644.6	+4132.1
2024	9.0	94539.4	+4104.6	2114	9.5	103237.3	+4132.4	2204	9.5	112540.7	+4159.9	2293	9.4	121733.3	+4128.8
2025	9.5	94541.6	+4102.9	2115	9.5	103331.4	+4155.4	2205	9.4	112644.8	+4139.5	2294	9.5	121947.3	+4122.9
2026	9.5	94507.9	+4104.0	2116	9.1	103355.6	+4119.3	2206	9.3	112700.3	+4125.6	2295	9.0	122018.2	+4144.2
2027	9.2	94608.2	+4136.3	2117	9.4	103423.7	+4144.3	2207	9.1	112819.4	+4105.6	2296	9.5	122103.1	+4134.1
2028	9.4	94639.0	+4119.6	2118	9.4	103438.8	+4116.3	2208	9.3	112826.7	+4127.2	2297	9.4	122205.2	+4137.1
2029	8.8	94701.1	+4157.3	2119	7.5	103636.1	+4108.3	2209	9.3	112826.7	+4122.9	2298	8.2	122317.6	+4137.1
2030	9.1	94758.8	+4113.4	2120	9.1	103822.1	+4134.7	2210	8.7	112922.9	+4128.4	2299	9.0	122400.1	+4154.6
2031	9.5	94759.7	+4109.4	2121	7.7	103858.5	+4128.4	2211	8.8	112927.5	+4115.5	2300	9.5	122442.3	+4143.2
2032	8.6	94833.1	+4153.6	2122	9.2	103916.9	+4158.4	2212	8.5	112928.6	+4153.5	2301	9.4	122503.0	+4134.1
2033	5.2	94849.5	+4145.1	2123	7.0	103942.9	+4151.3	2213	9.3	112939.7	+4133.8	2302	7.9	122623.9	+4133.0
2034	7.7	94931.1	+4125.6	2124	9.1	103948.3	+4132.7	2214	9.2	113021.5	+4134.7	2303	9.2	122624.8	+4112.2
2035	8.5	95031.0	+4116.6	2125	8.0	104004.5	+4154.3	2215	9.1	113025.8	+4153.0	2304	8.9	122637.9	+4145.6
2036	8.5	95047.0	+4149.3	2126	9.3	104015.6	+4102.8	2216	9.2	113044.9	+4131.6	2305	8.8	122733.0	+4121.9
2037	8.7	95049.5	+4124.4	2127	9.0	104113.4	+4139.8	2217	9.0	113110.3	+4151.4	2306	9.5	122736.0	+4149.7
2038	9.5	95157.2	+4120.6	2128	9.4	104118.8	+4147.9	2218	7.0	113114.4	+4103.1	2307	9.4	122857.1	+4153.8
2039	9.4	95258.9	+4130.2	2129	9.5	104123.6	+4144.8	2219	8.0	113115.3	+4158.0	2308	7.5	122913.6	+4122.8
2040	9.1	95310.9	+4145.9	2130	9.5	104147.9	+4149.5	2220	9.3	113121.0	+4130.5	2309	8.3	122942.5	+4152.6
2041	9.5	95327.0	+4116.7	2131	9.0	104332.1	+4125.7	2221	9.1	113209.9	+4112.7	2310	9.1	123045.5	+4158.6
2042	9.5	95339.9	+4122.5	2132	9.3	104400.4	+4109.8	2222	9.4	113239.0	+4139.2	2311	8.6	123137.3	+4148.4
2043	9.5	95404.0	+4126.5	2133	9.4	104420.6	+4124.8	2223	9.0	113327.9	+4150.5	2312	7.0	123149.2	+4140.3
2044	9.5	95417.7	+4115.7	2134	9.5	104449.2	+4144.4	2224	9.5	113353.6	+4126.1	2313	8.0	123209.9	+4148.2
2045	8.7	95450.5	+4121.4	2135	9.5	104452.1	+4128.3	2225	9.5	113442.4	+4116.1	2314	9.5	123228.2	+4122.5
2046	9.4	95505.6	+4109.2	2136	9.5	104512.1	+4124.8	2226	9.0	113445.3	+4151.6	2315	9.4	123239.8	+4115.8
2047	8.1	95543.0	+4121.9	2137	9.5	104548.3	+4125.0	2227	8.5	113502.3	+4141.8	2316	9.5	123256.4	+4147.5
2048	9.3	95554.7	+4126.2	2138	9.2	104620.2	+4135.7	2228	9.5	113538.9	+4111.6	2317	7.2	123339.4	+4105.9
2049	8.9	95558.2	+4132.2	2139	9.4	104802.7	+4100.9	2229	9.1	113739.0	+4136.5	2318	7.3	123352.3	+4120.1
2050	7.3	95653.8	+4144.3	2140	9.4	104808.4	+4153.6	2230	9.2	113818.3	+4118.6	2319	8.8	123402.6	+4132.7
2051	9.0	95718.7	+4124.7	2141	9.4	104814.2	+4101.5	2231	9.4	113930.7	+4143.5	2320	7.2	123430.8	+4123.2
2052	8.1	95721.4	+4147.8	2142	9.4	104837.9	+4117.8	2232	8.8	114025.0	+4128.6	2321	9.5	123444.5	+4102.5
2053	9.0	95725.3	+4152.1	2143	9.3	104940.0	+4101.4	2233	9.3	114048.8	+4150.1	2322	8.5	123604.0	+4158.0
2054	8.0	95726.7	+4136.6	2144	9.5	105006.8	+4125.9	2234	8.5	114056.7	+4126.9	2323	9.3	123609.8	+4102.5
2055	8.8	95727.0	+4143.3	2145	9.5	105036.2	+4127.3	2235	9.1	114105.4	+4118.1	2324	9.4	123622.3	+4103.7
2056	9.5	95830.0	+4122.1	2146	8.3	105051.3	+4144.9	2236	9.5	114107.9	+4123.1	2325	9.6	123642.2	+4102.4
2057	9.5	95838.7	+4149.8	2147	4.8	105119.4	+4112.4	2237	9.2	114213.6	+4112.2	2326	9.5	123709.8	+4111.8
2058	9.5	95941.9	+4102.6	2148	9.0	105131.3	+4155.9	2238	9.1	114223.9	+4107.8	2327	9.4	123711.6	+4137.3
2059	9.5	100022.2	+4123.5	2149	9.5	105207.4	+4116.0	2239	8.8	114308.0	+4135.2	2328	9.0	123842.4	+4136.4
2060	9.5	100036.7	+4148.8	2150	9.4	105236.9	+4128.8	2240	9.4	114341.2	+4125.0	2329	9.5	123932.2	+4141.9
2061	9.3	100121.8	+4144.7	2151	9.5	105243.1	+4122.8	2241	8.5	114454.9	+4107.6	2330	9.5	123932.7	+4102.6
2062	9.3	100208.0	+4134.8	2152	8.7	105306.7	+4121.8	2242	9.2	114525.8	+4106.5	2331	9.5	124135.1	+4113.1
2063	6.5	100214.9	+4122.6	2153	8.5	105329.5	+4133.0	2243	9.4	114526.0	+4100.4	2332	9.5	124343.8	+4104.7
2064	9.5	100356.9	+4111.0	2154	9.5	105421.0	+4136.0	2244	6.5	114618.3	+4142.6	2333	20.0	124405.4	+4154.3
2065	9.5	100620.8	+4118.6	2155	8.4	105457.0	+4117.8	2245	9.4	114702.1	+4133.3	2334	9.5	124406.4	+4102.5
2066	7.3	100755.7	+4159.7	2156	9.2	105511.9	+4109.9	2246	9.5	114735.2	+4133.2	2335	8.4	124422.2	+4134.5
2067	9.5	100944.3	+4145.2	2157	9.1	105515.1	+4103.9	2247	9.4	114804.6	+4128.4	2336	9.5	124448.5	+4112.7
2068	9.5	100946.0	+4122.5	2158	9.5	105650.8	+4138.7	2248	6.9	114832.2	+4127.4	2337	8.0	124507.0	+4102.1
2069	9.4	101046.4	+4135.0	2159	9.5	105750.0	+4152.8	2249	9.3	114909.7	+4131.2	2338	9.5	124608.0	+4103.9
2070	9.2	101113.1	+4147.7	2160	8.5	105758.9	+4142.4	2250	8.5	114909.8	+4151.0	2339	8.0	124650.3	+4142.2
2071	8.4	101123.0	+4113.1	2161	9.5	105858.3	+4112.1	2251	8.5	114923.8	+4109.7	2340	9.5	124743.2	+4154.2
2072	8.0	101144.2	+4151.7	2162	9.5	105914.0	+4142.4	2252	7.0	114936.9	+4105.2	2341	9.5	124852.7	+4143.2
2073	8.5	101226.8	+4155.7	2163	9.5	105953.8	+4135.1	2253	6.5	114945.9	+4109.7	2342	9.5	124955.5	+4100.7
2074	9.5	101238.7	+4117.1	2164	8.5	110052.8	+4157.8	2254	9.5	114952.3	+4149.6	2343	9.3	125119.3	+4153.2
2075	8.6	101323.6	+4138.9	2165	9.5	110204.5	+4120.1	2255	8.7	114953.8	+4142.6	2344	9.3	125226.4	+4112.2
2076	6.5	101333.2	+4156.9	2166	9.5	110339.8	+4152.9	2256	9.5	115019.3	+4145.1	2345	7.5	125259.4	+4115.5
2077	9.4	101338.5	+4126.3	2167	9.0	110350.6	+4133.1	2257	9.2	115024.9	+4138.5	2346	9.3	125335.5	+4122.6
2078	8.7	101504.9	+4154.4	2168	8.4	110434.0	+4119.5	2258	9.5	115037.7	+4114.5	2347	9.5	125419.5	+4159.2
2079	9.5	101505.2	+4131.9	2169	9.2	110439.3	+4118.6	2259	9.0	115044.0	+4105.6	2348	8.1	125457.3	+4135.5
2080	8.7	101530.1	+4118.7	2170	6.2	110537.2	+4152.8	2260	9.5	115052.2	+4116.6	2349	9.5	125519.6	+4124.5
2081	8.2	101540.1	+4123.2	2171	9.1	110728.8	+4145.9	2261	9.0	115156.9	+4151.0	2350	9.4	125557.7	+4140.5
2082	8.9	101542.4	+4112.3	2172	8.6	110808.9	+4119.8	2262	9.3	115159.8	+4157.5	2351	9.5	125612.3	+4127.4
2083	9.5	101550.6	+4134.4	2173	9.2	110907.8	+4141.0	2263	8.8	115241.9	+4106.1	2352</			

+41 2370 13h08m

2370 9.4 130819.8 +4132.6
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4910	9.5	235128.0	+4111.9	61	9.4	01315.6	+4040.2	150	9.5	03544.4	+4006.2	240	9.0	10348.8	+4052.2
4911	9.5	235129.6	+4151.5	62	9.5	01326.3	+4018.4	151	8.9	03609.7	+4046.9	241	9.3	10355.0	+4056.4
4912	9.5	235219.6	+4149.7	63	9.5	01339.0	+4022.8	152	9.5	03617.4	+4007.0	242	8.8	10358.8	+4046.0
4913	9.4	235226.3	+4104.8	64	9.5	01346.0	+4031.9	153	9.5	03637.5	+4016.0	243	9.2	10403.1	+4004.8
4914	9.3	235226.9	+4112.4	65	9.5	01346.8	+4059.8	154	9.0	03654.2	+4030.8	244	7.3	10403.1	+4009.0
4915	9.4	235257.6	+4128.1	66	9.5	01443.9	+4059.3	155	9.5	03742.9	+4057.0	245	7.8	10410.4	+4032.7
4916	7.8	235301.8	+4120.6	67	9.5	01527.0	+4011.1	156	9.0	03745.2	+4023.5	246	9.5	10418.8	+4028.2
4917	9.2	235311.5	+4154.1	68	9.4	01556.0	+4002.2	157	9.1	03809.4	+4044.4	247	9.5	10436.1	+4045.0
4918	9.5	235345.6	+4127.3	69	9.5	01633.1	+4037.5	158	7.5	03806.7	+4000.8	248	7.0	10446.9	+4053.8
4919	9.4	235413.9	+4117.8	70	8.8	01636.2	+4035.2	159	9.5	03811.2	+4030.9	249	7.3	10505.4	+4028.9
4920	6.5	235420.6	+4132.8	71	9.3	01648.7	+4000.4	160	9.5	03903.0	+4008.3	250	7.3	10519.3	+4023.7
4921	9.5	235430.0	+4146.9	72	9.4	01656.5	+4003.0	161	9.1	03924.2	+4030.4	251	9.2	10532.1	+4020.9
4922	9.1	235431.8	+4116.5	73	8.8	01658.8	+4031.2	162	9.1	03946.2	+4029.9	252	8.5	10630.2	+4016.4
4923	8.9	235444.6	+4119.0	74	9.4	01702.2	+4045.6	163	9.0	04021.5	+4048.2	253	8.8	10631.9	+4055.4
4924	8.8	235507.2	+4120.4	75	9.3	01716.2	+4030.7	164	9.5	04044.4	+4055.8	254	9.1	10709.8	+4003.3
4925	6.8	235543.3	+4155.6	76	9.4	01716.5	+4050.5	165	8.0	04104.3	+4020.8	255	9.5	10739.4	+4023.0
4926	9.4	235605.2	+4125.9	77	9.2	01732.2	+4032.6	166	8.7	04113.9	+4058.1	256	9.2	10753.9	+4008.0
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1742	9.2	64250.1	+4047.4	1832	9.5	70924.3	+4006.5	1922	9.0	73053.1	+4031.3	2010	8.2	80327.7	+4025.0
1743	9.5	64315.3	+4021.5	1833	8.9	70924.4	+4018.2	1923	9.0	73054.4	+4020.0	2011	9.4	80347.4	+4058.7
1744	9.0	64319.8	+4034.4	1834	9.4	70935.8	+4018.8	1924	9.5	73059.4	+4036.8	2012	9.5	80355.9	+4052.7
1745	9.0	64328.1	+4000.3	1835	8.6	70952.0	+4058.8	1925	9.1	73130.2	+4008.2	2013	9.3	80517.0	+4018.5
1746	9.3	64335.0	+4024.0	1836	8.6	70955.7	+4058.3	1926	9.5	73147.7	+4026.4	2014	8.8	80614.5	+4058.8
1747	9.3	64421.1	+4019.0	1837	8.2	71014.0	+4010.3	1927	9.5	73149.9	+4039.3	2015	8.0	80628.9	+4046.9
1748	9.5	64422.2	+4028.2	1838	8.8	71033.8	+4056.5	1928	9.5	73153.3	+4013.9	2016	9.4	80715.3	+4014.2
1749	9.5	64447.9	+4026.3	1839	9.5	71122.3	+4007.0	1929	9.3	73209.0	+4047.4	2017	9.5	80727.9	+4050.0
1750	9.3	64459.1	+4007.5	1840	9.4	71133.3	+4007.5	1930	9.1	73215.5	+4050.1	2018	8.9	80811.0	+4042.0
1751	8.3	64514.1	+4047.4	1841	8.9	71142.6	+4038.7	1931	9.2	73221.4	+4057.2	2019	9.4	80813.7	+4017.6
1752	8.0	64523.0	+4017.1	1842	8.2	71200.3	+4013.7	1932	9.4	73233.3	+4028.4	2020	9.2	80827.2	+4049.6
1753	7.5	64526.6	+4044.4	1843	8.4	71204.2	+4047.6	1933	9.4	73320.6	+4020.8	2021	9.5	80831.7	+4005.4
1754	9.5	64534.4	+4029.0	1844	9.3	71214.0	+4029.3	1934	9.4	73422.5	+4015.0	2022	8.2	80905.4	+4010.5
1755	8.5	64551.8	+4056.4	1845	9.3	71224.9	+4003.4	1935	9.5	73447.7	+4020.1	2023	8.8	80912.5	+4052.2
1756	9.3	64554.4	+4051.4	1846	9.3	71237.7	+4020.5	1936	9.1	73501.5	+4046.8	2024	9.4	80943.4	+4018.8
1757	7.0	64606.6	+4043.9	1847	9.4	71239.5	+4001.6	1937	9.4	73537.9	+4045.9	2025	9.5	80945.0	+4015.6
1758	8.3	64619.6	+4016.0	1848	9.2	71245.8	+4012.5	1938	9.5	73745.4	+4049.5	2026	7.6	80950.8	+4003.2
1759	9.1	64629.1	+4015.5	1849	9.0	71304.4	+4055.6	1939	9.2	73755.9	+4011.6	2027	7.1	81016.5	+4019.9
1760	8.5	64658.2	+4002.5	1850	8.1	71306.4	+4058.2	1940	9.5	73758.6	+4050.3	2028	8.9	81034.4	+4055.9
1761	9.0	64736.1	+4037.4	1851	9.5	71359.5	+4038.0	1941	9.5	73816.2	+4035.0	2029	9.2	81045.4	+4017.9
1762	8.7	64755.1	+4013.2	1852	5.8	71406.4	+4057.2	1942	9.2	73819.6	+4024.9	2030	8.7	81129.6	+4048.3
1763	9.2	64757.9	+4017.7	1853	9.5	71419.3	+4001.2	1943	9.2	73821.5	+4058.8	2031	8.5	81149.3	+4039.8
1764	9.3	64812.6	+4036.9	1854	9.3	71433.0	+4020.5	1944	9.5	73904.2	+4002.3	2032	8.8	81154.3	+4008.2
1765	9.5	64829.1	+4022.5	1855	9.5	71504.6	+4055.3	1945	9.4	73918.5	+4008.3	2033	9.2	81215.7	+4049.6
1766	9.3	64826.6	+4014.6	1856	9.5	71508.5	+4016.0	1946	9.5	73939.0	+4058.6	2034	9.5	81241.1	+4022.8
1767	9.1	64937.2	+4037.4	1857	9.5	71513.1	+4027.9	1947	9.5	73947.1	+4002.4	2035	9.4	81250.8	+4041.4
1768	8.8	64944.6	+4005.7	1858	9.2	71515.2	+4006.9	1948	9.5	74004.6	+4026.9	2036	8.5	81255.0	+4050.4
1769	9.0	65029.4	+4009.6	1859	9.4	71601.4	+4013.2	1949	7.0	74022.9	+4007.9	2037	7.2	81258.4	+4054.3
1770	7.3	65036.6	+4033.4	1860	9.4	71612.8	+4054.7	1950	9.5	74053.0	+4007.5	2038	9.2	81312.6	+4033.0
1771	8.0	65104.1	+4013.2	1861	9.3	71715.8	+4005.6	1951	8.9	74145.1	+4040.7	2039	9.5	81322.3	+4034.5
1772	9.4	65110.5	+4040.8	1862	9.3	71726.1	+4035.1	1952	9.3	74211.5	+4038.0	2040	9.3	81357.2	+4039.4
1773	9.4	65112.6	+4024.0	1863	8.9	71750.8	+4004.2	1953	9.0	74256.9	+4038.3	2041	9.0	81400.0	+4003.3
1774	8.5	65116.0	+4052.0	1864	7.4	71807.5	+4056.7	1954	8.7	74300.5	+4032.0	2042	9.2	81401.8	+4058.6
1775	9.3	65127.1	+4015.0	1865	9.4	71813.5	+4001.5	1955	9.2	74325.7	+4009.5	2043	8.8	81508.3	+4022.6
1776	9.0	65135.2	+4001.6	1866	9.4	71826.4	+4058.5	1956	8.6	74329.0	+4003.2	2044	9.2	81525.1	+4046.0
1777	9.5	65235.3	+4020.0	1867	9.5	71846.6	+4016.7	1957	9.4	74416.1	+4058.0	2045	9.5	81525.5	+4011.6
1778	8.7	65237.2	+4008.0	1868	9.5	71921.6	+4034.5	1958	8.0	74510.6	+4004.2	2046	9.5	81533.6	+4051.6
1779	9.2	65251.9	+4057.5	1869	9.2	71923.5	+4018.8	1959	9.4	74521.4	+4000.5	2047	8.8	81536.0	+4004.2
1780	9.1	65314.1	+4000.1	1870	9.3	72002.0	+4023.5	1960	9.2	74527.9	+4014.9	2048	8.8	81559.5	+4018.9
1781	8.4	65322.5	+4024.5	1871	8.7	72007.6	+4000.0	1961	8.3	74528.7	+4044.3	2049	9.0	81654.2	+4014.6
1782	9.5	65341.6	+4056.8	1872	9.5	72008.4	+4044.8	1962	9.3	74535.5	+4010.2	2050	7.5	81708.0	+4021.7
1783	7.0	65353.7	+4047.9	1873	9.0	72008.9	+4025.4	1963	8.8	74538.1	+4035.9	2051	8.8	81708.7	+4025.9
1784	9.5	65424.3	+4031.3	1874	9.1	72029.1	+4049.2	1964	7.8	74547.4	+4040.6	2052	9.2	81718.0	+4057.4
1785	9.4	65453.7	+4022.4	1875	8.8	72040.1	+4056.5	1965	8.9	74614.1	+4050.8	2053	9.3	81736.1	+4006.3
1786	9.3	65455.2	+4035.3	1876	8.7	72055.7	+4045.3	1966	9.4	74725.7	+4041.1	2054	9.1	81758.0	+4046.9
1787	8.5	65527.5	+4032.8	1877	9.5	72056.0	+4023.8	1967	9.2	74736.2	+4040.6	2055	8.8	81809.3	+4018.3
1788	8.7	65555.8	+4004.6	1878	8.4	72103.1	+4039.3	1968	9.5	74738.9	+4049.3	2056	9.3	81819.8	+4028.2
1789	9.3	65604.8	+4036.2	1879	8.6	72200.6	+4045.1	1969	9.2	74747.7	+4024.4	2057	9.4	81822.8	+4059.1
1790	9.3	65634.7	+4022.8	1880	9.4	72253.2	+4040.7	1970	9.2	74821.5	+4048.5	2058	8.3	81908.2	+4024.5
1791	8.8	65649.8	+4024.8	1881	8.0	72256.5	+4008.8	1971	9.3	74910.5	+4001.9	2059	9.0	81910.7	+4032.7
1792	8.8	65651.3	+4028.3	1882	9.2	72317.9	+4000.7	1972	9.5	74957.1	+4002.4	2060	9.5	81942.2	+4002.6
1793	8.8	65710.0	+4059.7	1883	9.5	72320.1	+4059.1	1973	9.4	75003.9	+4045.8	2061	9.1	82001.3	+4030.5
1794	9.5	65726.5	+4010.4	1884	9.4	72325.0	+4035.1	1974	9.1	75009.8	+4014.4	2062	9.2	82032.9	+4050.3
1795	8.5	65735.4	+4041.5	1885	9.2	72327.2	+4010.6	1975	9.4	75027.1	+4016.5	2063	9.5	82044.3	+4033.8
1796	9.1	65746.5	+4029.7	1886	9.2	72337.3	+4007.5	1976	9.5	75035.6	+4036.9	2064	9.2	82124.2	+4015.3
1797	8.5	65803.0	+4004.2	1887	9.2	72340.9	+4026.1	1977	9.3	75104.5	+4001.0	2065	7.2	82128.6	+4032.1
1798	8.9	65851.5	+4013.8	1888	9.5	72412.3	+4007.0	1978	7.5	75107.3	+4018.0	2066	6.8	82134.3	+4042.4
1799	9.3	70011.3	+4025.1	1889	9.2	72421.5	+4021.8	1979	8.1	75129.4	+4047.7	2067	9.5	82142.0	+4050.8
1800	9.1	70042.2	+4016.5	1890	9.5	72434.9	+4002.4	1980	9.2	75133.1	+4050.2	2068	9.5	82144.0	+4042.3
1801	9.5	70047.2	+4038.8	1891	9.4	72505.1	+4013.9	1981	9.5	75141.9	+4022.7	2069	9.5	82221.7	+4018.9
1802	9.3	70057.6	+4035.1	1892	7.3	72517.5	+4048.8	1982	9.0	75148.6	+4014.8	2070	9.5	82243.5	+4019.9
1803	7.7	70109.4	+4017.1	1893	9.3	72522.0	+4031.7	1983	8.7	75153.6	+4001.9	2071	8.8	82356.3	+4023.6
1804	9.4	70155.1	+4007.0	1894	8.4	72524.1	+4001.0	1984	7.5	75157.2	+4033.3	2072	9.0	82401.5	+4026.2
1805	8.5	70212.0	+4010.5	1895	9.4	72525.2	+4000.0	1985	9.5	75249.1	+4037.6	2073	9.5	82459.1	+4056.6
1806	9.4	70212.3	+4038.3	1896	8.5	72529.1	+4030.4	1986	9.3	75315.1	+4039.3	2074	9.4	82508.0	+4011.5
1807	8.2	70225.7	+4014.9	1897	9.5	72532.1	+4000.0	1987	9.2	75336.1	+4033.9	2075	9.1	82517.5	+4034.7
1808	9.5	70301.6	+4052.3	1898	9.3	72542.6	+4057.8	1988	9.5	75421.2	+4057.8	2076	7.4	82708.0	+4015.2
1809	9.5	70312.1	+4012.9	1899	9.4	72623.9	+4004.4	1989	6.8	75455.2	+4008.9	2077	9.5	82720.7	+4031.8
1810	9.5	70332.5	+4032.8	1900	8.9	72633.2	+4027.4	1990	9.0	75529.1	+4041.3	2078	9.5	82731.0	+4027.6
1811	9.5	70345.6	+4024.8	1901	9.5	72643.5	+4024.9	1991	9.4	75547.6	+4016.0	2079	9.3	82732.9	+4042.9
1812	9.2	70347.0	+4048.0	1902	8.7	72711.8	+4004.1	1992	9.5	75605.7	+4011.5	2080	9.4	82734.6	+4032.8
1813	9.2	70352.8	+4051.0	1903	6.8	72722.2	+4020.5	1993	9.4	75724.6	+4001.5	2081	9.0	82747.4	+4039.4
1814	8.9	70409.6	+4006.0	1904	8.8	72732.6	+4023.0	1994	8.9	75750.5	+4004.3	2082	9.0	82802.2	+4018.0
1815	9.3	70413.6	+4038.3	1905	9.4	72748.7	+4019.9	1995	8.3	75753.4	+4015.4	2083	7.5	82824.4	+4008.0
1816	9.4	70418.0	+4031.0	1906	9.2	72807.2	+4015.2	1996	9.3	75822.0	+4012.1	2084			

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3178 9.5 173133.4 +4058.2

3179	9.4	173138.0	+4054.4	3268	9.4	175738.6	+4052.5	3358	9.1	181909.9	+4021.3	3448	8.8	183513.3	+4036.4
3180	8.8	173138.8	+4037.9	3269	9.2	175829.5	+4051.8	3359	9.5	181920.1	+4005.8	3449	8.4	183515.6	+4011.7
3181	8.7	173205.7	+4004.7	3270	8.3	175852.7	+4030.7	3360	8.9	181926.7	+4049.7	3450	9.3	183518.9	+4019.9
3182	9.1	173228.9	+4053.5	3271	9.3	175906.1	+4032.7	3361	8.8	181937.7	+4049.2	3451	9.5	183531.4	+4010.3
3183	9.5	173301.5	+4040.7	3272	7.7	175913.0	+4049.6	3362	9.5	181940.8	+4020.0	3452	9.4	183536.3	+4004.2
3184	9.5	173307.2	+4035.7	3273	9.3	175921.1	+4001.0	3363	8.6	182008.4	+4011.0	3453	8.7	183544.5	+4019.8
3185	9.1	173324.8	+4020.2	3274	9.3	175949.2	+4027.9	3364	9.5	182009.0	+4035.5	3454	9.2	183600.4	+4032.7
3186	8.1	173347.9	+4051.2	3275	9.5	175950.5	+4020.7	3365	9.2	182033.9	+4030.4	3455	8.6	183601.2	+4028.7
3187	9.5	173355.8	+4044.6	3276	6.5	180001.0	+4004.8	3366	8.5	182035.8	+4024.0	3456	9.4	183603.0	+4058.6
3188	9.3	173400.9	+4019.8	3277	9.4	180018.7	+4000.3	3367	9.3	182056.2	+4038.8	3457	9.5	183637.1	+4053.7
3189	7.5	173416.5	+4059.0	3278	9.5	180019.1	+4051.7	3368	8.8	182138.4	+4044.5	3458	8.0	183644.4	+4020.1
3190	9.3	173422.3	+4006.8	3279	9.0	180023.5	+4041.1	3369	9.2	182145.4	+4014.1	3459	6.8	183658.8	+4035.0
3191	9.4	173444.1	+4009.3	3280	9.5	180041.7	+4001.5	3370	9.5	182150.9	+4024.5	3460	9.5	183702.7	+4056.5
3192	9.5	173511.3	+4022.0	3281	9.5	180045.8	+4032.7	3371	8.6	182156.8	+4049.1	3461	8.2	183702.8	+4042.6
3193	9.5	173516.0	+4015.0	3282	9.3	180045.8	+4003.2	3372	9.2	182159.6	+4017.1	3462	9.5	183710.1	+4023.3
3194	9.2	173518.8	+4050.4	3283	8.9	180104.0	+4057.4	3373	9.2	182204.9	+4020.0	3463	9.4	183713.2	+4048.3
3195	9.1	173603.2	+4035.6	3284	9.4	180111.5	+4053.4	3374	9.2	182212.2	+4036.5	3464	9.5	183724.9	+4032.7
3196	9.1	173608.1	+4057.5	3285	9.5	180131.2	+4021.3	3375	9.5	182215.8	+4025.7	3465	9.4	183725.0	+4028.8
3197	9.3	173654.0	+4044.2	3286	7.0	180149.6	+4022.2	3376	9.3	182235.3	+4042.8	3466	9.5	183738.7	+4042.2
3198	9.0	173700.2	+4004.0	3287	9.5	180153.9	+4055.0	3377	9.0	182252.0	+4030.4	3467	9.5	183758.6	+4050.3
3199	9.5	173717.5	+4016.8	3288	9.4	180208.4	+4000.2	3378	8.9	182309.4	+4007.9	3468	9.5	183815.9	+4038.2
3200	9.4	173808.1	+4058.8	3289	9.5	180220.0	+4058.6	3379	9.5	182310.1	+4057.4	3469	9.5	183816.4	+4039.4
3201	9.4	173813.8	+4031.4	3290	8.5	180223.1	+4009.5	3380	9.3	182311.3	+4010.0	3470	9.5	183824.1	+4025.6
3202	9.1	173855.9	+4004.1	3291	9.4	180243.3	+4030.0	3381	8.6	182356.9	+4007.7	3471	9.4	183825.8	+4049.3
3203	9.5	173859.4	+4037.5	3292	9.5	180306.5	+4000.7	3382	9.5	182408.0	+4029.0	3472	9.2	183837.9	+4029.2
3204	9.4	173911.4	+4000.5	3293	9.0	180310.9	+4032.4	3383	9.3	182415.1	+4033.2	3473	8.4	183838.7	+4054.7
3205	7.8	173940.6	+4031.5	3294	8.8	180318.3	+4006.0	3384	9.5	182416.7	+4029.0	3474	9.5	183853.0	+4000.5
3206	7.9	174001.9	+4007.1	3295	7.1	180328.4	+4053.5	3385	8.8	182421.5	+4058.1	3475	9.5	183853.8	+4010.2
3207	9.5	174104.9	+4059.9	3296	8.6	180340.7	+4022.1	3386	9.5	182427.7	+4027.5	3476	9.5	183921.8	+4045.2
3208	9.5	174120.2	+4055.3	3297	9.5	180358.8	+4017.9	3387	9.2	182428.2	+4020.6	3477	8.8	183954.7	+4058.1
3209	9.5	174131.0	+4056.9	3298	9.5	180435.3	+4034.5	3388	9.3	182434.6	+4044.8	3478	8.9	184018.8	+4009.2
3209a	9.0	174217.8	+4010.6	3299	9.4	180439.9	+4046.6	3389	9.4	182442.0	+4016.1	3479	9.5	184019.4	+4042.3
3210	9.5	174227.5	+4039.7	3300	9.5	180446.4	+4002.6	3390	9.0	182500.7	+4045.3	3480	9.5	184020.7	+4002.2
3211	8.3	174238.9	+4032.4	3301	9.2	180458.4	+4000.1	3391	9.5	182532.5	+4056.1	3481	8.7	184123.3	+4006.9
3212	8.9	174239.0	+4004.1	3302	9.1	180501.7	+4042.4	3392	9.0	182536.8	+4018.1	3482	9.4	184148.5	+4019.5
3213	9.1	174310.6	+4049.3	3303	8.9	180504.8	+4059.9	3393	8.8	182539.3	+4037.3	3483	9.1	184152.7	+4054.0
3214	7.0	174315.5	+4001.4	3304	9.0	180533.0	+4046.6	3394	7.0	182553.7	+4052.6	3484	9.5	184153.0	+4032.0
3215	7.3	174328.0	+4037.3	3305	9.2	180553.5	+4001.0	3395	7.5	182606.1	+4023.7	3485	9.2	184158.4	+4056.7
3216	8.5	174343.5	+4027.9	3306	8.7	180627.7	+4028.8	3396	8.8	182606.2	+4005.4	3486	9.3	184251.7	+4001.0
3217	9.5	174345.8	+4059.9	3307	9.5	180650.1	+4009.9	3397	9.1	182614.6	+4014.9	3487	9.3	184311.0	+4042.4
3218	9.1	174352.7	+4042.2	3308	9.4	180700.4	+4018.5	3398	9.4	182617.4	+4015.4	3488	9.1	184317.4	+4012.0
3219	9.4	174443.7	+4030.8	3309	9.4	180721.2	+4012.3	3399	9.5	182618.7	+4057.1	3489	9.3	184342.7	+4014.3
3220	8.7	174517.1	+4010.2	3310	9.0	180750.4	+4009.6	3400	9.4	182625.9	+4008.2	3490	9.4	184352.3	+4012.3
3221	8.5	174526.5	+4025.5	3311	9.0	180755.6	+4043.1	3401	8.7	182628.4	+4003.3	3491	9.3	184353.7	+4003.3
3222	9.5	174547.3	+4049.4	3312	9.5	180809.9	+4016.2	3402	9.4	182636.3	+4021.6	3492	9.5	184400.0	+4021.9
3223	9.4	174600.6	+4023.9	3313	9.1	180810.6	+4010.3	3403	7.8	182651.9	+4015.7	3493	9.4	184416.5	+4056.2
3224	9.5	174605.9	+4045.9	3314	8.4	180815.8	+4050.8	3404	9.5	182656.1	+4031.5	3494	9.4	184416.5	+4034.0
3225	6.7	174631.5	+4006.1	3315	9.1	180822.4	+4053.2	3405	9.4	182703.8	+4031.5	3495	9.1	184423.6	+4030.8
3226	9.0	174637.3	+4026.9	3316	9.4	180827.9	+4018.9	3406	8.8	182801.8	+4026.2	3496	8.3	184428.1	+4024.4
3227	9.5	174647.2	+4055.6	3317	9.5	180833.0	+4057.3	3407	9.5	182821.3	+4047.2	3497	7.7	184507.0	+4034.0
3228	6.2	174722.1	+4000.6	3318	9.5	180859.7	+4008.1	3408	9.4	182827.2	+4033.1	3498	9.0	184533.9	+4038.2
3229	9.5	174738.3	+4048.6	3319	9.0	180914.1	+4023.6	3409	6.5	182827.2	+4025.4	3499	9.1	184555.5	+4015.6
3230	8.7	174742.7	+4058.3	3320	9.5	180947.8	+4059.0	3410	9.3	182829.4	+4003.3	3500	9.5	184607.6	+4052.5
3231	9.5	174811.7	+4047.3	3321	9.2	181018.3	+4017.6	3411	6.6	182831.4	+4002.9	3501	9.5	184614.1	+4004.3
3232	9.2	174814.2	+4057.2	3322	9.5	181044.1	+4000.4	3412	9.5	182836.7	+4036.3	3502	9.5	184626.7	+4002.2
3233	5.0	174835.9	+4002.5	3323	9.2	181108.6	+4038.4	3413	9.4	182858.5	+4009.6	3503	9.0	184629.4	+4014.9
3234	9.5	174846.1	+4052.7	3324	9.3	181111.3	+4055.5	3414	9.2	182902.3	+4004.7	3504	9.0	184634.9	+4041.3
3235	9.0	174850.4	+4054.7	3325	9.2	181126.4	+4035.4	3415	9.4	182930.9	+4033.2	3505	8.5	184643.2	+4013.9
3236	9.5	174858.3	+4040.3	3326	9.0	181129.2	+4052.8	3416	8.9	182936.7	+4048.5	3506	9.5	184651.5	+4046.3
3237	9.5	174908.4	+4036.2	3327	9.4	181143.3	+4017.5	3417	9.3	182942.7	+4058.4	3507	9.5	184653.7	+4055.7
3238	9.5	174916.6	+4058.0	3328	9.4	181154.3	+4043.5	3418	8.9	183011.6	+4043.7	3508	9.4	184702.9	+4040.6
3239	8.4	174928.4	+4029.1	3329	8.1	181209.5	+4058.9	3419	9.0	183017.3	+4024.9	3509	9.4	184708.7	+4056.2
3240	9.5	174952.5	+4002.8	3330	8.7	181219.9	+4051.3	3420	9.3	183017.7	+4057.8	3510	9.5	184742.8	+4004.6
3241	9.5	175001.3	+4028.5	3331	8.4	181225.3	+4012.0	3421	9.3	183019.9	+4022.4	3511	9.3	184806.3	+4009.3
3242	9.5	175013.4	+4004.9	3332	6.0	181231.2	+4053.0	3422	8.8	183045.1	+4043.0	3512	6.8	184836.4	+4049.1
3243	9.0	175014.3	+4014.0	3333	8.9	181233.2	+4016.9	3423	7.3	183053.8	+4012.2	3513	9.3	184838.6	+4033.0
3244	8.3	175020.6	+4027.0	3334	7.2	181306.6	+4015.7	3424	9.5	183055.0	+4030.0	3514	9.2	184838.6	+4012.1
3245	9.2	175108.9	+4030.5	3335	8.2	181349.7	+4027.9	3425	6.8	183056.9	+4038.9	3515	9.1	184848.7	+4056.5
3246	9.5	175121.2	+4033.5	3336	6.9	181350.5	+4019.9	3426	6.1	183120.0	+4054.2	3516	9.3	184853.4	+4017.3
3247	9.5	175137.1	+4038.0	3337	9.3	181351.2	+4053.4	3427	9.4	183130.7	+4038.6	3517	9.4	184858.8	+4051.6
3248	9.4	175149.4	+4015.8	3338	9.0	181415.6	+4054.1	3428	8.9	183133.1	+4054.9	3518	9.3	184902.0	+4004.7
3249	9.2	175227.9	+4029.0	3339	9.2	181424.8	+4020.4	3429	8.9	183151.7	+4021.3	3519	7.8	184909.1	+4008.4
3250	9.4	175303.5	+4000.7	3340	7.5	181426.3	+4051.1	3430							

+40 3538 18h52m

+40 3897 19h44m

3538 9.3 185241.2 +4055.3	3628 8.9 190805.4 +4039.7	3718 9.3 192111.7 +4030.2	3808 8.2 193233.3 +4016.3
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+40 3898 19h45m

+40 4257 20h32m

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4975	9.5	225618.5	+4020.2	5065	6.5	231712.6	+4049.7	5155	9.5	234231.0	+4030.5	9	9.1	00104.1	+3913.0
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5014	9.5	230504.2	+4054.2	5104	9.3	232629.7	+4009.5	5194	9.2	235118.3	+4025.9	48	9.0	01009.5	+3916.2
5015	9.5	230540.6	+4002.6	5105	9.4	232720.8	+4021.9	5195	9.4	235123.5	+4002.3	49	9.5	01013.5	+3903.9
5016	9.5	230558.1	+4051.0	5106	9.5	232737.4	+4041.8	5196	8.3	235124.0	+4013.0	50	9.5	01015.0	+3949.2
5017	7.3	230623.0	+4041.7	5107	9.2	232808.8	+4057.7	5197	9.5	235124.8	+4031.8	51	9.3	01022.7	+3925.4
5018	9.5	230638.2	+4050.8	5108	9.5	232824.9	+4026.8	5198	9.5	235143.8	+4002.2	52	7.6	01024.5	+3956.1
5019	9.0	230644.5	+4041.4	5109	9.5	232834.8	+4006.4	5199	8.2	235144.1	+4021.7	53	9.2	01051.9	+3926.3
5020	9.2	230647.0	+4029.6	5110	9.3	232835.7	+4057.3	5200	7.8	235146.2	+4023.7	54	9.5	01136.2	+3907.9
5021	9.2	230659.4	+4011.2	5111	9.1	232848.5	+4056.3	5201	9.5	235155.4	+4012.9	55	9.5	01151.5	+3936.6
5022	9.5	230703.4	+4052.4	5112	9.3	232858.2	+4012.7	5202	8.3	235156.8	+4019.6	56	6.6	01205.8	+3955.4
5023	8.0	230705.1	+4000.9	5113	9.5	232910.3	+4011.7	5203	9.1	235200.0	+4033.9	57	9.4	01210.3	+3947.7
5024	9.2	230711.2	+4048.8	5114	8.8	232927.1	+4052.8	5204	9.1	235208.0	+4044.2	58	9.5	01219.2	+3927.9
5025	8.0	230749.6	+4029.2	5115	9.5	233016.9	+4000.5	5205	9.5	235223.8	+4054.8	59	9.2	01253.6	+3925.2
5026	9.0	230753.3	+4000.4	5116	9.3	233038.6	+4045.4	5206	9.4	235227.9	+4002.7	60	9.5	01255.0	+3917.3
5027	9.5	230808.2	+4051.9	5117	9.4	233048.6	+4032.7	5207	9.2	235228.8	+4010.6	61	9.4	01316.4	+3953.2
5028	7.3	230809.2	+4021.9	5118	9.3	233112.8	+4048.8	5208	9.3	235232.7	+4015.3	62	9.5	01325.6	+3939.6
5029	9.2	230815.1	+4009.5	5119	8.1	233127.0	+4010.0	5209	9.5	235239.3	+4027.6	63	9.5	01339.3	+3909.0
5030	9.4	230830.1	+4007.0	5120	8.9	233128.8	+4049.4	5210	9.2	235248.2	+4031.1	64	8.5	01350.4	+3953.7
5031	9.1	230838.6	+4047.8	5121	8.6	233137.6	+4001.7	5211	9.3	235300.6	+4047.4	65	9.1	01420.1	+3944.6
5032	9.4	230857.0	+4051.8	5122	8.9	233138.5	+4015.7	5212	9.5	235314.5	+4001.0	66	9.5	01513.8	+3925.8
5033	9.4	230857.4	+4055.6	5123	9.5	233150.6	+4037.9	5213	9.5	235341.1	+4054.2	67	9.5	01529.9	+3936.3
5034	9.5	230911.1	+4009.5	5124	9.5	233206.2	+4023.0	5214	9.5	235346.5	+4015.1	68	9.5	01535.2	+3946.5
5035	9.5	230922.4	+4043.1	5125	9.4	233216.3	+4004.7	5215	8.5	235357.7	+4000.4	69	9.0	01546.1	+3924.9
5036	8.4	230930.9	+4046.6	5126	9.3	233228.4	+4017.5	5216	9.5	235401.3	+4014.5	70	9.5	01547.1	+3919.0
5037	8.5	230958.6	+4010.8	5127	9.5	233258.2	+4027.2	5217	9.5	235415.5	+4034.9	71	9.5	01550.5	+3942.4
5038	8.5	231017.9	+4050.4	5128	9.1	233410.6	+4002.5	5218	9.5	235437.6	+4051.6	72	8.9	01551.1	+3937.3
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5040	9.1	231057.9	+4003.2	5130	9.5	233434.2	+4055.9	5220	9.5	235516.9	+4008.5	74	9.5	01611.4	+3935.5
5041	9.2	231103.2	+4016.0	5131	9.5	233449.4	+4041.0	5221	9.5	235526.5	+4044.1	75	9.2	01612.3	+3904.2
5042	9.5	231127.6	+4006.8	5132	9.1	233540.1	+4033.1	5222	9.5	235532.0	+4021.7	76	9.5	01615.6	+3905.7
5043	6.2	231131.8	+4058.7	5133	8.8	233540.8	+4030.3	5223	9.4	235600.2	+4058.3	77	9.3	01628.9	+3921.8
5044	9.5	231156.5	+4018.8	5134	8.7	233556.2	+4010.1	5224	9.4	235624.6	+4001.7	78	9.5	01650.3	+3933.8
5045	9.3	231214.8	+4034.4	5135	9.4	233635.1	+4052.8	5225	9.5	235652.7	+4013.4	79	9.5	01721.9	+3916.8
5046	8.5	231221.2	+4048.4	5136	9.5	233705.5	+4042.4	5226	9.5	235720.6	+4047.9	80	7.4	01744.2	+3901.5
5047	9.4	231237.2	+4050.3	5137	9.5	233715.6	+4045.9	5227	9.5	235725.1	+4037.9	81	8.9	01857.3	+3901.6
5048	9.5	231301.9	+4010.4	5138	9.5										

98	9.5	02138.4	+3924.0	188	9.3	04123.0	+3912.4	278	9.5	10313.4	+3927.2	367	9.2	12851.5	+3929.5
99	9.5	02147.4	+3924.0	189	8.2	04133.2	+3930.4	279	9.5	10340.9	+3900.0	368	9.5	12920.6	+3940.3
100	9.4	02156.5	+3919.8	190	9.5	04137.4	+3935.8	280	9.5	10410.1	+3906.5	369	9.4	12929.4	+3924.2
101	9.2	02232.5	+3900.3	191	9.5	04140.0	+3941.5	281	9.4	10424.0	+3912.9	370	8.2	13010.0	+3932.4
102	9.1	02237.9	+3926.4	192	9.5	04151.6	+3949.2	282	9.5	10433.5	+3936.5	371	9.4	13026.6	+3930.9
103	9.1	02243.5	+3933.9	193	9.5	04201.9	+3912.2	283	9.5	10433.9	+3929.0	372	9.0	13057.0	+3932.8
104	8.9	02258.4	+3943.5	194	9.5	04309.6	+3949.4	284	9.5	10455.4	+3959.8	373	9.0	13106.7	+3951.0
105	9.1	02315.8	+3941.8	195	9.5	04318.7	+3923.0	285	9.5	10457.3	+3939.7	374	9.1	13108.1	+3959.6
106	9.5	02328.7	+3901.3	196	9.3	04437.8	+3954.6	286	9.5	10539.9	+3951.5	375	9.0	13128.2	+3916.2
107	9.5	02414.3	+3920.2	197	9.4	04441.8	+3959.8	287	9.0	10542.2	+3922.0	376	6.7	13135.0	+3956.3
108	9.5	02435.0	+3904.8	198	6.5	04454.1	+3927.5	288	9.3	10611.3	+3928.2	377	9.5	13148.6	+3932.3
109	9.5	02435.8	+3930.7	199	9.4	04459.7	+3908.0	289	9.5	10621.5	+3905.3	378	5.4	13203.1	+3951.2
110	9.5	02446.6	+3901.0	200	9.5	04522.2	+3943.7	290	9.5	10639.0	+3923.7	379	9.2	13205.2	+3912.6
111	9.5	02510.7	+3940.3	201	9.2	04551.2	+3923.0	291	9.5	10650.8	+3937.3	380	9.5	13228.5	+3929.9
112	9.2	02528.6	+3901.0	202	9.5	04557.8	+3943.5	291a	30.0	10714.0	+3957.0	381	9.3	13253.5	+3953.7
113	9.5	02528.6	+3943.1	203	8.8	04608.1	+3913.1	292	8.3	10758.5	+3953.2	382	9.0	13293.5	+3913.3
114	9.5	02539.5	+3929.7	204	8.8	04609.7	+3915.8	293	9.0	10824.9	+3942.1	383	9.5	13347.6	+3909.1
115	7.2	02544.2	+3918.1	205	9.5	04619.7	+3944.7	294	9.1	10919.8	+3931.1	384	7.0	13406.0	+3939.6
116	9.2	02546.1	+3922.8	206	9.5	04620.6	+3946.9	295	9.5	10939.2	+3941.1	385	8.5	13419.6	+3924.5
117	8.1	02549.0	+3905.2	207	9.5	04711.7	+3951.1	296	9.4	10958.2	+3959.7	386	8.7	13425.4	+3905.8
118	9.1	02622.1	+3912.9	208	9.3	04719.2	+3942.2	297	9.5	11011.3	+3914.0	386a	9.5	13427.0	+3903.4
119	9.3	02632.6	+3939.8	209	9.2	04724.5	+3900.1	298	9.5	11015.2	+3941.5	387	8.6	13431.1	+3915.5
120	9.5	02634.3	+3904.3	210	7.2	04725.4	+3935.8	299	8.4	11017.7	+3927.6	388	9.5	13456.7	+3955.2
121	9.4	02646.1	+3908.0	211	8.8	04802.0	+3941.0	300	9.5	11034.8	+3940.1	389	9.4	13457.9	+3915.4
122	9.4	02702.2	+3941.1	212	9.5	04803.0	+3931.6	301	7.2	11036.8	+3910.8	390	9.5	13512.0	+3905.9
123	9.5	02711.5	+3919.6	213	9.5	04808.0	+3949.5	302	9.3	11102.2	+3920.6	391	9.5	13524.4	+3958.3
124	9.0	02719.1	+3905.0	214	9.5	04822.5	+3953.9	303	9.3	11106.9	+3914.3	392	9.4	13544.8	+3954.5
125	9.4	02719.9	+3945.0	215	9.5	04842.8	+3947.9	304	9.0	11117.6	+3923.2	393	8.0	13557.2	+3915.9
126	9.4	02733.3	+3909.5	216	9.5	04848.7	+3920.5	305	9.3	11120.0	+3916.4	394	9.5	13612.1	+3942.8
127	8.3	02746.4	+3938.9	217	7.8	04903.5	+3946.2	306	9.5	11127.1	+3900.6	395	9.5	13645.2	+3935.6
128	8.6	02802.7	+3935.4	218	9.2	04945.1	+3913.1	307	9.4	11135.0	+3940.6	396	9.5	13709.2	+3955.2
129	9.2	02808.8	+3920.3	219	8.2	04958.6	+3944.5	308	9.0	11147.2	+3953.5	397	8.8	13746.1	+3923.5
130	9.5	02821.6	+3905.7	220	9.3	05005.1	+3957.1	309	9.4	11158.7	+3939.2	398	8.8	13804.5	+3950.2
131	9.5	02832.4	+3931.0	221	8.8	05011.9	+3906.7	310	9.5	11233.6	+3928.0	399	9.2	13806.0	+3956.8
132	9.1	02849.4	+3924.7	222	8.7	05039.7	+3937.1	311	9.4	11334.3	+3949.4	400	9.5	13827.1	+3955.5
133	9.5	02852.1	+3908.0	223	9.4	05101.3	+3952.9	312	9.5	11410.3	+3907.8	401	9.4	13847.8	+3905.1
134	9.5	02912.2	+3930.6	224	7.0	05123.0	+3922.5	313	9.5	11438.5	+3919.6	402	9.3	13906.6	+3924.5
135	9.5	02917.7	+3925.7	225	9.5	05155.4	+3943.1	314	9.2	11438.9	+3910.5	403	9.5	13907.2	+3953.1
136	9.5	02920.7	+3925.9	226	9.5	05207.5	+3924.8	315	7.7	11452.3	+3950.9	404	8.5	13922.0	+3924.3
137	8.9	02932.8	+3955.4	227	9.5	05211.8	+3915.2	316	9.5	11500.5	+3953.2	405	9.1	13944.9	+3924.5
138	6.5	02959.1	+3922.1	228	9.3	05232.7	+3904.0	317	9.5	11514.2	+3926.8	406	9.5	13953.1	+3933.6
139	9.5	02952.9	+3920.5	229	9.5	05240.7	+3940.0	318	7.8	11539.3	+3910.2	407	9.1	14020.1	+3945.2
140	9.5	03003.2	+3926.9	230	9.5	05245.3	+3942.4	319	9.4	11555.8	+3918.5	408	8.7	14030.7	+3946.4
141	9.5	03027.4	+3923.9	231	9.5	05305.7	+3904.9	320	9.5	11600.2	+3957.4	409	9.5	14057.2	+3948.1
142	9.3	03039.6	+3910.4	232	9.2	05311.4	+3906.4	321	9.4	11603.8	+3958.9	410	9.5	14123.2	+3910.9
143	9.5	03048.2	+3937.6	233	9.5	05315.5	+3915.9	322	9.5	11620.9	+3918.1	411	9.5	14127.4	+3919.3
144	8.3	03048.2	+3938.4	234	9.5	05316.7	+3907.9	323	9.5	11621.0	+3910.9	412	8.5	14130.2	+3944.6
145	8.6	03058.5	+3938.1	235	9.5	05321.6	+3954.4	324	8.9	11632.3	+3936.9	413	9.1	14135.3	+3957.5
146	8.8	03102.6	+3910.3	236	8.8	05339.5	+3944.2	325	9.4	11632.9	+3944.9	414	9.5	14207.0	+3954.5
147	9.1	03106.7	+3949.6	237	8.9	05344.5	+3946.3	326	9.5	11646.7	+3921.6	415	9.4	14210.6	+3907.1
148	8.9	03108.2	+3952.3	238	9.5	05354.5	+3914.3	327	7.6	11653.3	+3932.0	416	8.7	14211.1	+3940.3
149	9.5	03147.7	+3923.0	239	8.7	05405.7	+3910.9	328	8.0	11722.9	+3956.7	417	9.4	14235.3	+3913.1
150	9.5	03158.4	+3902.3	240	9.3	05425.8	+3950.3	329	8.4	11741.7	+3935.5	418	9.5	14264.7	+3946.1
151	9.5	03204.7	+3949.9	241	9.3	05430.1	+3939.9	330	9.1	11803.8	+3927.5	419	9.5	14325.1	+3916.4
152	9.5	03205.8	+3952.6	242	9.2	05444.5	+3928.7	331	8.8	11816.8	+3947.3	420	8.2	14339.7	+3955.2
153	9.5	03239.6	+3920.0	243	9.5	05455.2	+3908.1	332	9.5	11823.4	+3908.4	421	8.9	14344.6	+3950.5
154	7.0	03254.6	+3925.2	244	9.3	05458.8	+3901.7	333	8.9	11824.9	+3900.7	422	9.5	14348.1	+3919.9
155	9.5	03254.9	+3942.5	245	9.5	05512.1	+3903.2	334	6.5	11924.2	+3934.3	423	9.3	14421.4	+3941.3
156	9.5	03348.0	+3914.8	246	8.8	05515.3	+3943.0	335	9.5	11933.6	+3911.6	424	8.0	14436.5	+3926.9
157	9.2	03357.8	+3930.6	247	9.5	05547.1	+3917.6	336	9.5	12022.5	+3901.6	425	9.3	14449.6	+3922.5
158	7.0	03409.5	+3953.6	248	9.2	05627.9	+3915.6	337	9.3	12026.9	+3927.0	426	9.4	14452.1	+3950.6
159	9.0	03426.1	+3927.4	249	6.5	05628.8	+3912.1	338	9.5	12044.4	+3908.3	427	7.8	14459.1	+3908.9
160	9.5	03435.9	+3904.0	250	9.3	05638.6	+3929.9	339	9.0	12044.6	+3906.2	428	9.5	14538.7	+3936.3
161	9.4	03443.1	+3946.9	251	9.4	05639.8	+3923.0	340	9.4	12146.4	+3931.9	429	9.5	14539.3	+3946.3
162	9.5	03500.5	+3953.6	252	8.6	05641.0	+3912.6	341	9.3	12153.7	+3904.6	430	8.9	14540.7	+3958.8
163	8.5	03502.8	+3921.0	253	8.9	05656.3	+3947.9	342	9.5	12212.3	+3933.3	431	7.3	14556.1	+3955.6
164	8.5	03506.8	+3935.8	254	9.2	05703.7	+3913.6	343	9.5	12215.4	+3905.7	432	8.0	14558.7	+3934.3
165	8.0	03611.3	+3938.0	255	9.2	05709.8	+3921.4	344	9.1	12227.4	+3935.0	433	7.0	14604.0	+3913.6
166	8.5	03623.4	+3953.1	256	9.5	05849.5	+3911.4	345	9.5	12237.1	+3901.5	434	6.8	14611.6	+3958.8
167	7.1	03642.4	+3953.1	257	9.1	05852.2	+3959.9	346	8.5	12249.0	+3927.0	435	9.5	14623.7	+3929.5
168	9.4	03650.8	+3950.8	258	9.4	05854.5	+3906.9	347	9.5	12302.2	+3930.5	436	8.5	14650.1	+3944.6
169	9.5	03653.1	+3946.8	259	9.3	05913.8	+3932.0	348	9.2	12314.7	+3922.8	437	9.5	14721.6	+3952.2
170	9.5	03656.9	+3920.5	260	9.5	05940.9	+3907.5	349	9.4	12321.1	+3956.2	438	8.8	14731.7	+3912.7
171	8.9	03735.6	+3905.5	261	9.1	05945.3	+3929.2	350	9.4	12344.8	+3907.3	439	9.0	14737.6	+3920.4
172	9.1	03746.9	+3946.0	262	9.1	10000.2	+3925.2	351	9.5	12350.9	+3942.0	440	9.5	14749.9	+3928.7
173	9.1	03749.2	+3925.7	263	8.4	10001.3	+3905.0	352	9.5	12456.4	+3915.2	441	9.1	14827.6	+3937.2
174	8.5	03758.0													

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817	9.5	32546.8	+3918.2	906	9.1	35049.0	+3953.3	996	9.5	41811.9	+3910.5	1086	9.4	44131.0	+3930.4
818	8.6	32549.4	+3952.1	907	9.5	35109.0	+3937.6	997	9.4	41812.5	+3903.7	1087	8.8	44210.5	+3923.0
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857	9.5	33628.1	+3941.0	946	9.4	40158.0	+3949.7	1036	8.0	42739.9	+3959.9	1126	9.4	44842.0	+3923.6
858	9.0	33709.4	+3908.1	947	9.1	40208.7	+3938.5	1037	8.2	42830.2	+3909.2	1127	3.8	44857.8	+3951.3
859	9.3	33723.9	+3925.5	948	9.5	40214.1	+3903.2	1038	9.0	42846.2	+3957.0	1128	1.5	44909.5	+3926.2
860	9.4	33734.9	+3914.5	949	9.4	40214.5	+3918.2	1039	9.3	42902.4	+3957.0	1129	9.2	44921.9	+3935.0
861	9.0	33802.2	+3916.6	950	9.1	40216.0	+3935.7	1040	9.2	42915.1	+3934.0	1130	9.5	44925.3	+3948.0
862	8.5	33804.6	+3923.1	951	8.7	40253.7	+3905.3	1041	9.5	42954.2	+3956.3	1131	9.4	44933.1	+3906.2
863	9.4	33813.8	+3954.1	952	8.1	40313.5	+3958.8	1042	7.0	43009.1	+3930.2	1132	9.2	45003.4	+3926.7
864	9.5	33843.1	+3908.1	953	9.4	40333.8	+3959.8	1043	8.8	43044.1	+3903.3	1133	6.4	45020.4	+3910.4
865	9.0	33847.9	+3947.0	954	8.3	40344.1	+3942.1	1044	9.5	43107.3	+3911.9	1134	6.8	45023.5	+3926.0
866	9.4	33855.2	+3910.8	955	9.3	40351.9	+3959.0	1045	8.8	43116.3	+3918.1	1135	9.0	45035.3	+3915.2
867	9.4	33904.6	+3944.3	956	7.0	40357.3	+3918.9	1046	9.5	43133.3	+3954.2	1136	9.5	45036.0	+3945.4
868	9.2	33941.7	+3948.5	957	9.1	40423.8	+3958.8	1047	9.5	43141.2	+3910.4	1137	9.4	45038.7	+3940.5
869	9.1	33949.9	+3957.8	958	9.4	40517.4	+3952.1	1048	9.5	43142.0	+3945.5	1138	7.5	45122.0	+3944.8
870	9.5	34008.2	+3951.6	959	8.9	40541.0	+3948.3	1049	9.4	43205.9	+3939.3	1139	9.5	45125.9	+3922.7
871	9.4	34011.4	+3957.3	960	9.5	40618.9	+3955.2	1050	9.5	43208.4	+3935.3	1140	9.1	45127.3	+3904.4
872	9.5	34027.6	+3929.7	961	9.5	40649.0	+3900.9	1051	9.5	43257.5	+3917.7	1141	9.4	45132.8	+3952.2
873	9.5	34130.7	+3911.5	962	7.5	40650.4	+3939.7	1052	8.9	43344.1	+3956.6	1142	8.5	45139.3	+3901.8
874	9.0	34207.9	+3949.2	963	9.5	40655.4	+3911.5	1053	9.5	43411.5	+3908.6	1143	9.2	45140.3	+3903.5
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884	9.5	34421.2	+3938.0	973	7.8	41025.2	+3929.2	1063	9.4	43734.1	+3936.9	1153	9.4	45330.6	+3952.0
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887	7.8	34514.7	+3924.5	976	9.0	41115.3	+3908.4	1066	9.5	43744.7	+3912.8	1156	9.2	45406.7	+3920.3
888	8.8	34520.6	+3928.4	977	9.1	41122.0	+3913.3	1067	9.4	43745.4	+3925.0	1157	8.3	45435.6	+3945.8
889	9.3	34534.3	+3911.0	978	9.2	41123.9	+3904.7	1068	9.5	43756.3	+3903.7	1158	9.5	45436.9	+3953.2
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1531 8.9 55919.4 +3908.7
1532 9.5 55926.8 +3933.9
1533 8.0 55932.6 +3911.4
1534 9.4 55938.2 +3927.3

+39 1535 6h00m

+39 1894 7h04m

1535 9.5 60017.4 +3902.4	1625 9.2 61613.4 +3906.9	1715 9.4 63306.8 +3929.1	1805 9.5 64937.9 +3934.6
1536 9.1 60040.6 +3945.1	1626 9.3 61614.6 +3955.5	1716 9.0 63313.4 +3941.6	1806 8.9 64944.2 +3959.9
1537 8.9 60054.4 +3906.8	1627 9.0 61620.0 +3953.5	1717 9.5 63328.2 +3937.3	1807 9.3 64947.6 +3913.0
1538 9.5 60101.8 +3915.9	1628 9.4 61626.7 +3935.2	1718 9.4 63329.2 +3937.8	1808 9.5 65001.3 +3931.3
1539 9.5 60130.2 +3923.5	1629 7.2 61631.4 +3945.1	1719 9.1 63337.3 +3948.2	1809 9.5 65007.2 +3912.8
1540 9.3 60130.9 +3951.8	1630 9.4 61634.5 +3937.7	1720 8.8 63339.3 +3919.0	1810 9.5 65010.5 +3958.7
1541 9.5 60142.5 +3903.3	1631 9.5 61657.0 +3938.0	1721 9.1 63345.3 +3949.8	1811 9.5 65021.2 +3935.7
1542 9.1 60145.0 +3930.0	1632 7.8 61658.1 +3903.2	1722 9.2 63354.3 +3946.1	1812 9.4 65024.7 +3910.7
1543 9.5 60201.0 +3902.8	1633 8.9 61721.0 +3921.2	1723 9.5 63359.4 +3929.6	1813 9.5 65030.7 +3934.7
1544 9.5 60222.5 +3927.0	1634 7.9 61736.3 +3955.2	1724 9.1 63402.3 +3918.6	1814 8.9 65032.2 +3954.9
1545 9.5 60247.0 +3913.4	1635 7.6 61829.3 +3911.7	1725 9.5 63419.2 +3949.8	1815 9.3 65105.1 +3942.8
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1547 9.5 60313.8 +3927.5	1637 7.4 61844.4 +3903.2	1727 9.5 63446.4 +3942.8	1817 7.9 65112.2 +3922.4
1548 9.2 60323.9 +3936.9	1638 9.5 61903.8 +3913.1	1728 9.0 63458.0 +3957.7	1818 8.8 65116.7 +3903.1
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1556 9.5 60435.4 +3926.6	1646 9.4 62026.4 +3927.1	1736 7.0 63558.8 +3906.8	1826 8.2 65310.6 +3937.6
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1559 8.0 60509.5 +3958.9	1649 7.0 62056.6 +3950.8	1739 9.5 63637.1 +3942.7	1829 9.5 65335.0 +3901.5
1560 9.0 60523.4 +3958.2	1650 8.7 62101.2 +3915.5	1740 9.4 63709.1 +3943.8	1830 9.5 65341.3 +3914.3
1561 9.5 60533.4 +3957.2	1651 9.5 62117.0 +3952.3	1741 9.2 63713.2 +3905.0	1831 9.5 65351.6 +3956.2
1562 8.5 60536.8 +3946.1	1652 9.5 62131.0 +3925.4	1742 9.5 63714.0 +3910.5	1832 8.8 65404.2 +3942.0
1563 8.2 60537.4 +3932.8	1653 9.5 62148.6 +3932.8	1743 9.5 63716.9 +3947.0	1833 9.4 65406.2 +3942.8
1564 9.2 60545.1 +3920.2	1654 9.4 62149.4 +3909.8	1744 9.5 63725.8 +3956.1	1834 9.1 65412.0 +3927.4
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1566 9.2 60551.4 +3914.5	1656 9.2 62224.6 +3942.6	1746 9.2 63754.2 +3906.1	1836 9.1 65436.4 +3941.5
1567 9.3 60556.4 +3914.8	1657 9.5 62227.4 +3909.5	1747 9.2 63810.2 +3958.7	1837 8.9 65441.2 +3911.1
1568 8.8 60622.4 +3934.8	1658 9.5 62250.9 +3904.4	1748 9.0 63818.0 +3915.7	1838 9.5 65449.7 +3955.3
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1571 9.3 60721.5 +3959.5	1661 7.2 62254.7 +3952.8	1751 9.2 63831.7 +3942.2	1841 9.0 65500.5 +3920.0
1572 9.1 60723.0 +3952.3	1662 9.4 62314.0 +3935.2	1752 9.2 63901.5 +3950.8	1842 8.9 65505.8 +3913.1
1573 9.1 60723.9 +3935.5	1663 9.5 62329.1 +3916.7	1753 9.5 63923.9 +3952.8	1843 9.5 65512.6 +3954.3
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1575 7.0 60729.0 +3954.1	1665 9.4 62340.4 +3912.8	1755 8.0 64006.2 +3952.5	1845 9.5 65538.0 +3905.1
1576 6.9 60739.4 +3931.0	1666 9.3 62354.1 +3925.1	1756 7.6 64016.3 +3953.0	1846 8.6 65551.3 +3959.9
1577 8.7 60740.5 +3937.7	1667 9.5 62356.4 +3958.0	1757 9.4 64100.2 +3900.6	1847 9.0 65607.2 +3933.9
1578 8.6 60747.0 +3957.5	1668 9.5 62407.0 +3926.9	1758 9.3 64104.2 +3947.4	1848 8.7 65616.2 +3927.8
1579 8.2 60749.0 +3910.6	1669 8.7 62425.9 +3934.1	1759 9.4 64117.0 +3938.2	1849 9.1 65622.0 +3931.0
1580 8.0 60755.9 +3908.4	1670 9.3 62426.4 +3920.0	1760 9.5 64132.5 +3942.6	1850 8.8 65624.5 +3902.3
1581 9.2 60808.4 +3938.0	1671 9.5 62443.0 +3952.7	1761 9.0 64138.2 +3927.5	1851 8.8 65627.1 +3958.6
1582 9.4 60814.3 +3906.4	1672 9.0 62445.1 +3907.7	1762 9.2 64138.2 +3924.9	1852 9.5 65642.2 +3939.7
1583 9.0 60833.4 +3912.8	1673 8.8 62501.4 +3909.8	1763 9.0 64150.2 +3934.7	1853 9.5 65650.3 +3910.3
1584 8.2 60901.4 +3949.8	1674 9.5 62528.9 +3952.5	1764 9.2 64154.1 +3922.1	1854 9.5 65706.0 +3930.3
1585 9.5 60902.1 +3957.6	1675 9.4 62532.0 +3907.5	1765 8.5 64200.2 +3959.1	1855 9.4 65738.7 +3916.2
1586 9.1 60910.0 +3935.3	1676 9.5 62605.3 +3927.8	1766 9.4 64207.0 +3952.5	1856 9.1 65757.2 +3912.2
1587 9.0 60914.3 +3937.5	1677 9.5 62605.8 +3955.0	1767 9.1 64215.0 +3953.8	1857 8.2 65806.2 +3951.7
1588 9.5 60926.8 +3913.5	1678 9.3 62610.4 +3903.6	1768 8.8 64219.7 +3907.5	1858 9.5 65807.0 +3922.4
1589 8.1 60929.4 +3952.5	1679 9.3 62648.9 +3903.0	1769 9.2 64242.5 +3933.0	1859 9.3 65808.0 +3930.5
1590 9.5 60947.3 +3928.2	1680 9.2 62703.4 +3935.5	1770 9.2 64244.1 +3917.9	1860 9.1 65813.2 +3906.1
1591 9.5 60952.1 +3930.0	1681 9.4 62704.4 +3941.6	1771 6.3 64303.4 +3902.3	1861 9.4 65821.3 +3915.5
1592 9.3 60952.4 +3912.8	1682 9.0 62715.4 +3933.0	1772 8.1 64338.2 +3956.9	1862 9.4 65822.2 +3927.3
1593 9.5 61009.3 +3957.2	1683 9.5 62719.0 +3903.6	1773 9.0 64344.7 +3932.8	1863 9.5 65839.0 +3925.8
1594 9.1 61015.5 +3948.6	1684 8.9 62748.2 +3954.5	1774 7.3 64353.3 +3920.5	1864 9.0 65840.2 +3933.1
1595 8.2 61043.4 +3924.2	1685 8.9 62756.4 +3931.5	1775 9.2 64406.9 +3924.2	1865 9.3 65847.0 +3941.6
1596 9.5 61046.3 +3933.6	1686 9.5 62805.0 +3935.5	1776 8.9 64410.7 +3950.1	1866 9.5 65851.3 +3934.0
1597 9.5 61115.4 +3931.3	1687 9.4 62819.5 +3902.5	1777 9.0 64421.2 +3907.1	1867 9.3 65852.5 +3954.2
1598 9.4 61120.0 +3900.7	1688 9.5 62824.9 +3902.1	1778 9.5 64433.6 +3927.8	1868 9.1 65858.2 +3933.7
1599 9.4 61132.7 +3928.6	1689 8.0 62832.4 +3914.4	1779 9.4 64436.2 +3933.5	1869 9.2 65900.2 +3932.1
1600 9.0 61145.5 +3911.6	1689 8.0 62832.4 +3914.4	1780 9.4 64443.1 +3917.9	1870 9.5 65905.7 +3900.8
1601 9.3 61202.0 +3908.8	1690 6.5 62836.4 +3903.8	1781 9.5 64450.5 +3945.0	1871 8.9 65912.7 +3938.3
1602 9.2 61233.4 +3907.3	1691 9.2 62902.5 +3950.2	1782 9.5 64451.5 +3952.7	1872 9.5 65924.9 +3903.9
1603 9.4 61300.6 +3920.4	1692 9.4 62909.3 +3923.0	1783 9.4 64503.2 +3955.2	1873 9.4 65927.8 +3952.1
1604 9.5 61308.5 +3958.2	1693 9.4 62948.4 +3923.0	1784 8.9 64506.2 +3908.3	1874 9.2 65956.2 +3956.7
1605 9.5 61320.1 +3915.5	1694 9.0 62950.2 +3947.9	1785 9.5 64506.6 +3919.4	1875 9.3 65956.6 +3934.6
1606 9.5 61325.0 +3913.0	1695 9.4 62953.1 +3913.4	1786 9.4 64525.1 +3936.2	1876 8.5 70005.1 +3917.6
1607 9.1 61332.5 +3948.6	1696 8.8 63014.4 +3957.7	1787 9.5 64535.1 +3908.5	1877 9.5 70046.0 +3901.2
1608 8.3 61344.7 +3949.4	1697 9.3 63016.5 +3950.8	1788 7.7 64550.2 +3943.3	1878 9.5 70049.3 +3942.5
1609 9.4 61355.4 +3913.9	1698 9.2 63028.1 +3930.8	1789 9.5 64609.5 +3952.7	1879 9.5 70052.3 +3958.6
1610 9.3 61355.8 +3946.5	1699 9.4 63042.8 +3954.4	1790 9.4 64624.2 +3922.9	1880 9.4 70102.5 +3907.6
1611 9.5 61402.5 +3917.5	1700 8.7 63103.3 +3958.6	1791 9.3 64626.4 +3955.0	1881 8.5 70118.7 +3919.1
1612 8.2 61407.1 +3910.6	1701 7.5 63106.8 +3948.1	1792 9.3 64649.2 +3935.8	1882 5.4 70141.8 +3952.9
1613 9.2 61434.0 +3927.6	1702 9.2 63111.8 +3948.1	1793 9.3 64747.2 +3932.1	1883 8.8 70141.8 +3957.3
1614 9.1 61459.3 +3908.8	1703 9.5 63118.1 +3957.8	1794 9.3 64749.0 +3945.1	1884 9.0 70146.4 +3947.8
1615 9.0 61501.5 +3928.6	1704 9.4 63143.8 +3949.7	1795 9.5 64750.3 +3954.5	1885 9.4 70209.5 +3911.2
1616 9.2 61504.4 +3930.3	1705 8.9 63144.1 +3944.7	1796 9.1 64800.6 +3935.4	1886 8.6 70219.5 +3950.2
1617 8.5 61530.4 +3942.2	1706 9.3 63152.9 +3956.1	1797 9.5 64843.9 +3932.8	1887 9.5 70234.8 +3912.0
1618 9.4 61532.0 +3908.6	1707 9.5 63202.3 +3922.3	1798 9.5 64845.8 +3921.0	1888 9.4 70235.7 +3945.9
1619 9.5 61541.4 +3910.1	1708 9.4 63214.6 +3924.5	1799 7.3 64849.2 +3943.0	1889 9.5 70257.5 +3945.9
1620 9.3 61544.0 +3948.3	1709 8.6 63215.2 +3947.7	1800 9.3 64849.7 +3918.5	1890 9.5 70320.7 +3938.2
1621 9.3 61544.4 +3906.1	1710 9.4 63217.5 +3941.4	1801 8.0 64854.2 +3957.8	1891 9.1 70355.6 +3928.5
1622 9.3 61546.4 +3929.9	1711 8.1 63226.3 +3909.9	1802 9.5 64857.3 +3902.0	1892 9.5 70419.0 +3912.9
1623 9.5 61550.1 +3933.9	1712 8.8 63231.8 +3946.2	1803 8.3 64914.2 +3931.3	1893 9.0 70421.1 +3923.6
1624 9.3 61611.3 +3958.0	1713 7.0 63234.6 +3901.8	1804 9.5 64922.4 +3933.9	1894 9.5 70423.8 +3921.4

+39 1895 7h04m

+39 2254 9h21m

1895	9.5	70429.7	+3927.7	1895	9.5	73039.0	+3911.2	2075	9.0	80420.7	+3955.7	2155	9.5	84506.7	+3921.0
1896	9.4	70437.1	+3926.3	1896	9.5	73044.4	+3955.2	2076	9.4	80422.5	+3933.4	2156	9.4	84536.3	+3929.7
1897	8.9	70438.1	+3953.8	1897	8.9	73059.2	+3959.6	2077	9.2	80450.1	+3947.7	2157	9.3	84542.4	+3933.8
1898	8.9	70443.3	+3948.6	1898	7.8	73122.7	+3932.0	2078	9.5	80511.1	+3901.7	2158	9.1	84545.2	+3943.1
1899	9.5	70452.7	+3953.2	1899	9.3	73234.3	+3956.0	2079	9.5	80619.5	+3909.6	2159	9.5	84607.3	+3907.7
1900	9.5	70509.8	+3919.5	1900	9.5	73314.0	+3908.2	2080	8.8	80621.6	+3918.5	2170	9.4	84611.3	+3958.6
1901	9.5	70550.1	+3919.2	1901	9.0	73319.0	+3936.7	2081	9.5	80719.9	+3953.8	2171	9.0	84618.4	+3956.6
1902	9.3	70633.0	+3900.8	1902	9.2	73319.8	+3945.3	2082	7.6	80818.7	+3914.7	2172	9.4	84632.1	+3952.3
1903	9.2	70634.4	+3905.7	1903	9.4	73336.2	+3942.6	2083	8.4	80842.6	+3926.2	2173	9.5	84635.0	+3912.6
1904	9.3	70643.3	+3923.8	1904	9.5	73351.0	+3956.8	2084	9.3	80848.8	+3925.8	2174	7.8	84702.7	+3922.3
1905	9.3	70644.0	+3940.1	1905	9.3	73355.2	+3951.2	2085	8.8	80938.4	+3930.1	2175	9.4	84712.0	+3916.0
1906	9.5	70726.1	+3946.8	1906	7.7	73422.5	+3910.9	2086	9.2	81017.4	+3925.6	2176	9.5	84802.2	+3958.6
1907	9.4	70735.0	+3938.4	1907	9.2	73433.2	+3901.8	2087	9.4	81035.3	+3908.8	2177	9.5	84803.5	+3941.7
1908	6.6	70748.4	+3909.0	1908	6.8	73505.1	+3955.5	2088	9.2	81059.3	+3908.0	2178	9.5	84859.4	+3930.2
1909	9.5	70759.3	+3941.6	1909	9.5	73538.3	+3907.2	2089	9.0	81100.7	+3923.6	2179	9.0	84931.9	+3909.1
1910	9.5	70801.5	+3920.8	2000	9.1	73541.9	+3903.0	2090	8.2	81139.2	+3919.9	2180	9.5	84959.0	+3930.8
1911	9.5	70817.5	+3956.0	2001	7.4	73552.2	+3953.4	2091	9.5	81144.3	+3950.5	2181	9.0	85043.0	+3921.6
1912	9.2	70832.0	+3948.3	2002	9.5	73646.1	+3927.6	2092	9.5	81237.5	+3930.5	2182	8.9	85100.9	+3932.5
1913	9.3	70836.9	+3919.5	2003	9.5	73653.2	+3950.2	2093	9.4	81258.0	+3955.6	2183	9.0	85124.5	+3908.0
1914	9.2	70837.3	+3912.7	2004	9.5	73718.1	+3909.6	2094	9.1	81313.5	+3928.2	2184	9.3	85126.1	+3948.6
1915	9.5	70842.8	+3905.4	2005	9.5	73743.2	+3952.6	2095	8.2	81502.0	+3956.9	2185	9.5	85234.8	+3942.5
1916	9.3	70844.1	+3931.6	2006	9.1	73759.7	+3958.5	2096	9.4	81507.2	+3913.3	2186	9.1	85255.1	+3915.0
1917	9.2	70844.3	+3912.1	2007	9.4	73839.8	+3947.2	2097	8.5	81535.4	+3942.7	2187	7.5	85301.6	+3913.4
1918	9.3	70907.2	+3903.6	2008	9.5	73852.9	+3951.0	2098	9.3	81607.4	+3900.2	2188	9.3	85316.2	+3921.8
1919	9.4	71000.6	+3930.6	2009	8.7	73854.3	+3939.4	2099	8.8	81656.9	+3931.8	2189	8.8	85317.7	+3925.6
1920	9.5	71011.5	+3936.4	2010	9.4	73859.7	+3932.0	2100	9.5	81702.9	+3951.5	2190	9.5	85354.3	+3958.8
1921	9.5	71011.7	+3957.5	2011	9.0	73939.4	+3944.9	2101	8.3	81713.8	+3929.2	2191	9.2	85408.4	+3906.1
1922	9.5	71026.2	+3900.6	2012	9.2	73939.7	+3921.1	2102	9.5	81748.1	+3912.4	2192	9.5	85428.5	+3929.5
1923	8.3	71121.1	+3920.4	2013	9.5	73954.5	+3949.7	2103	9.3	81844.5	+3944.4	2193	7.0	85430.5	+3917.9
1924	9.4	71143.5	+3926.5	2014	9.5	74009.8	+3955.1	2104	9.0	81847.9	+3921.0	2194	8.8	85452.4	+3924.6
1925	9.1	71149.4	+3902.7	2015	9.5	74015.7	+3944.8	2105	9.5	81908.6	+3925.8	2195	9.5	85516.0	+3935.9
1926	8.2	71212.7	+3924.6	2016	9.5	74106.9	+3921.0	2106	7.8	81940.7	+3921.9	2196	8.9	85524.2	+3907.8
1927	7.3	71219.6	+3915.8	2017	8.4	74133.2	+3910.9	2107	8.5	82010.3	+3947.7	2197	8.7	85536.3	+3904.8
1928	8.7	71253.3	+3914.2	2018	7.4	74251.8	+3954.0	2108	9.5	82042.4	+3920.0	2198	9.0	85636.8	+3920.6
1929	9.5	71321.9	+3921.5	2019	9.5	74317.6	+3908.1	2109	8.2	82049.5	+3951.7	2199	8.0	85639.0	+3900.5
1930	8.9	71349.8	+3900.8	2020	9.2	74321.9	+3919.6	2110	8.5	82056.8	+3904.1	2200	4.7	85718.0	+3902.1
1931	9.5	71355.4	+3903.2	2021	9.3	74335.3	+3917.0	2111	9.5	82130.5	+3943.5	2201	9.4	85729.8	+3900.2
1932	8.2	71414.9	+3924.8	2022	7.7	74336.6	+3950.3	2112	9.5	82131.0	+3951.0	2202	8.0	85742.9	+3916.3
1933	9.5	71421.1	+3949.0	2023	9.4	74343.8	+3924.3	2113	9.1	82153.3	+3956.3	2203	8.9	85749.0	+3941.2
1934	9.3	71558.4	+3916.0	2024	9.5	74345.7	+3910.5	2114	9.5	82155.0	+3912.5	2204	9.1	85801.4	+3955.3
1935	9.2	71603.9	+3940.0	2025	9.2	74350.4	+3927.1	2115	9.5	82201.9	+3951.0	2205	9.1	85827.0	+3922.9
1936	9.2	71604.3	+3933.0	2026	9.1	74407.2	+3954.8	2116	8.5	82203.0	+3936.4	2206	9.1	85827.8	+3914.9
1937	9.4	71619.2	+3937.6	2027	9.5	74436.8	+3958.7	2117	9.5	82317.0	+3943.0	2207	9.5	85853.6	+3924.9
1938	9.3	71626.7	+3902.2	2028	9.3	74517.7	+3929.8	2118	9.1	82411.0	+3943.4	2208	9.5	85932.0	+3907.6
1939	9.4	71634.0	+3905.9	2029	9.4	74519.0	+3906.7	2119	9.5	82412.4	+3922.9	2209	9.3	86002.0	+3943.5
1940	9.5	71645.3	+3924.3	2030	9.5	74521.5	+3917.4	2120	9.5	82446.9	+3916.0	2210	8.8	86031.5	+3916.6
1941	9.5	71645.6	+3941.8	2031	7.0	74608.6	+3940.4	2121	9.5	82502.2	+3901.7	2211	9.4	86052.3	+3918.6
1942	9.5	71701.0	+3936.3	2032	9.5	74719.5	+3940.7	2122	9.3	82507.1	+3958.5	2212	9.4	86145.1	+3959.8
1943	9.5	71719.4	+3928.0	2033	9.5	74755.7	+3929.2	2123	9.5	82537.0	+3915.5	2213	9.5	86156.0	+3935.0
1944	8.8	71725.5	+3913.7	2034	9.4	74805.1	+3944.5	2124	9.5	82543.2	+3927.9	2214	9.0	86224.8	+3947.0
1945	7.0	71721.4	+3936.7	2035	9.2	74807.5	+3905.4	2125	9.2	82624.7	+3902.4	2215	9.4	86225.0	+3904.2
1946	9.4	71741.7	+3908.0	2036	9.5	74816.4	+3949.6	2126	9.5	82658.9	+3929.2	2216	8.8	86250.5	+3909.6
1947	9.5	71800.9	+3925.9	2037	9.1	74823.2	+3914.2	2127	7.7	82708.2	+3954.6	2217	8.8	86306.5	+3923.6
1948	8.6	71801.2	+3930.0	2038	9.5	74840.0	+3901.6	2128	9.2	82805.4	+3929.5	2218	9.0	86412.8	+3907.6
1949	9.2	71808.6	+3925.3	2039	9.2	74840.6	+3907.6	2129	9.5	82940.0	+3933.5	2219	9.5	86417.0	+3941.0
1950	9.3	71835.1	+3921.7	2040	9.0	74906.9	+3948.9	2130	8.7	83006.9	+3904.3	2220	9.5	86446.7	+3912.4
1951	8.5	71900.3	+3931.0	2041	9.1	74948.7	+3952.3	2131	9.5	83016.1	+3901.4	2221	9.4	86452.2	+3919.5
1952	9.0	71912.7	+3919.2	2042	9.2	75019.1	+3901.1	2132	9.5	83026.6	+3905.6	2222	9.0	86508.8	+3938.9
1953	9.0	71919.8	+3909.5	2043	8.9	75121.0	+3945.8	2133	9.5	83034.5	+3910.0	2223	7.0	86550.2	+3912.6
1954	9.5	71958.1	+3928.7	2044	9.5	75124.0	+3916.5	2134	9.3	83035.2	+3926.5	2224	9.3	86558.0	+3923.0
1955	8.3	72012.9	+3936.8	2045	9.5	75151.4	+3916.5	2135	9.5	83103.0	+3920.9	2225	9.3	86731.3	+3905.6
1956	9.5	72027.0	+3900.1	2046	8.7	75154.8	+3908.0	2136	9.2	83104.5	+3933.3	2226	7.5	86831.7	+3949.4
1957	9.5	72131.3	+3953.4	2047	9.3	75248.5	+3957.1	2137	8.8	83134.6	+3930.8	2227	9.0	86908.6	+3903.1
1958	7.0	72205.4	+3911.0	2048	8.2	75240.1	+3901.4	2138	9.5	83221.1	+3904.6	2228	9.0	86912.2	+3926.0
1959	9.1	72213.9	+3928.0	2049	9.1	75436.0	+3910.4	2139	8.4	83221.4	+3939.7	2229	9.3	86936.7	+3953.5
1960	9.0	72221.6	+3928.4	2050	9.3	75442.8	+3947.3	2140	8.8	83230.0	+3940.0	2230	9.5	86937.3	+3915.6
1961	9.0	72231.0	+3958.0	2051	9.4	75513.9	+3948.1	2141	7.6	83313.8	+3934.3	2231	8.5	86953.9	+3912.6
1962	8.5	72253.7	+3919.8	2052	8.7	75515.5	+3908.0	2142	9.5	83323.9	+3936.5	2232	9.1	87007.0	+3918.6
1963	9.5	72254.8	+3959.7	2053	9.5	75617.3	+3952.3	2143	7.7	83346.1	+3919.4	2233	9.2	87048.8	+3946.0
1964	9.3	72312.9	+3901.9	2054	9.4	75638.7	+3914.8	2144	9.2	83347.0	+3921.6	2234	9.1	87100.4	+3906.2
1965	9.4	72312.9	+3924.4	2055	9.5	75640.8	+3901.6	2145	9.3	83348.8	+3908.4	2235	9.0	87125.2	+3952.1
1966	9.0	72337.5	+3943.2	2056	9.0	75650.2	+3925.5	2146	9.2	83350.0	+3931.8	2236	9.3	87223.0	+3946.1
1967	9.0	72339.6	+3946.0	2057	9.3	75714.0	+3909.8	2147	9.2	83448.4	+3915.6	2237	8.3	87421.3	+3945.9
1968	9.5	72348.9	+3940.8	2058	9.1	75754.8	+3922.0	2148	9.3	83605.7	+3948.9	2238	9.2	87440.8	+3904.1
1969	9.3	72349.3	+3903.5	2059	9.5	75839.8	+3912.9	2149	9.5	83618.3	+3951.1	2239			

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2255 8.5	92232.8	+3914.1	2344 7.5	101532.3	+3946.2	2434 9.0	111252.6	+3917.1	2524 8.6	121859.8	+3946.7
2255a 9.5	92237.1	+3907.7	2345 8.5	101533.8	+3948.7	2435 9.4	111305.8	+3954.3	2525 9.2	122130.4	+3938.7
2256 9.3	92238.2	+3907.7	2346 9.5	101620.4	+3933.0	2436 8.6	111323.0	+3918.1	2526 9.5	122255.6	+3946.3
2257 9.5	92245.6	+3929.0	2347 8.5	101624.4	+3948.4	2437 8.9	111421.7	+3958.8	2527 9.5	122347.6	+3933.8
2258 9.2	92351.9	+3931.1	2348 9.0	101650.4	+3949.6	2438 8.5	111426.9	+3916.6	2528 9.1	122358.1	+3956.2
2259 9.2	92425.8	+3955.4	2349 9.4	101836.7	+3901.5	2439 9.1	111429.8	+3924.5	2529 8.9	122400.1	+3923.9
2260 9.1	92443.5	+3925.9	2350 8.9	101927.1	+3944.5	2440 8.9	111457.8	+3920.0	2530 8.5	122402.9	+3934.3
2261 8.7	92458.6	+3942.9	2351 9.5	101939.8	+3939.7	2441 8.0	111545.0	+3928.0	2531 9.2	122456.5	+3914.4
2262 9.3	92505.7	+3904.8	2352 9.3	101941.0	+3956.7	2442 8.5	111907.3	+3922.7	2532 9.3	122607.6	+3933.8
2263 9.1	92511.6	+3913.1	2353 9.5	102021.8	+3941.6	2443 9.5	111947.7	+3954.8	2533 8.7	122621.7	+3957.9
2264 8.3	92513.1	+3946.0	2354 9.4	102030.8	+3909.0	2444 9.4	112002.0	+3921.8	2534 9.0	122629.2	+3925.0
2265 9.3	92532.4	+3904.4	2355 8.6	102111.3	+3922.4	2445 9.5	112154.0	+3918.9	2535 9.0	122630.4	+3925.5
2266 8.6	92617.2	+3927.3	2356 9.3	102117.5	+3901.8	2446 9.5	112227.5	+3922.3	2536 8.5	122635.1	+3940.8
2267 8.8	92912.2	+3905.1	2357 6.2	102139.3	+3939.8	2447 9.5	112255.0	+3929.3	2537 9.5	122708.8	+3909.5
2268 9.4	92928.6	+3926.5	2358 9.5	102152.0	+3901.8	2448 9.4	112417.6	+3900.5	2538 9.3	122725.6	+3939.3
2269 9.4	92956.3	+3928.0	2359 7.9	102235.0	+3945.3	2449 9.2	112424.4	+3954.6	2539 9.0	122855.3	+3928.9
2270 9.5	93030.8	+3955.4	2360 9.0	102306.5	+3944.8	2450 7.8	112426.2	+3943.1	2540 7.3	122835.9	+3928.3
2271 7.0	93223.4	+3936.9	2361 8.7	102323.1	+3905.5	2451 9.0	112443.0	+3952.8	2541 9.0	123109.4	+3928.8
2272 8.3	93308.2	+3953.5	2362 9.2	102435.1	+3937.3	2452 7.8	112504.4	+3940.1	2542 9.3	123139.8	+3945.2
2273 9.2	93325.1	+3900.7	2363 7.4	102442.0	+3957.7	2453 8.0	112525.7	+3940.1	2543 9.5	123358.7	+3940.9
2274 9.2	93327.7	+3904.1	2364 9.2	102547.3	+3915.4	2454 9.2	112628.0	+3943.6	2544 7.4	123423.5	+3911.4
2275 8.5	93522.7	+3905.7	2365 9.1	102645.5	+3916.9	2455 9.2	112702.5	+3951.6	2545 9.1	123450.5	+3928.5
2276 9.5	93546.6	+3923.1	2366 7.6	102727.8	+3916.4	2456 9.5	112846.0	+3916.4	2546 9.5	123459.7	+3929.0
2277 9.0	93833.1	+3946.6	2367 9.5	102930.4	+3936.4	2457 9.5	112853.5	+3902.9	2547 9.5	123511.0	+3944.5
2278 9.2	94033.2	+3949.3	2368 8.3	102930.6	+3930.7	2458 8.0	113036.7	+3932.8	2548 9.3	123531.4	+3957.9
2279 9.5	94127.8	+3941.3	2369 9.3	103034.7	+3948.8	2459 8.3	113101.3	+3927.2	2549 9.3	123536.8	+3953.3
2280 8.8	94245.5	+3906.4	2370 7.8	103151.5	+3908.5	2460 7.0	113107.5	+3959.5	2550 9.3	123556.9	+3922.5
2281 8.8	94248.7	+3936.8	2371 9.5	103200.5	+3959.1	2461 9.4	113241.9	+3915.9	2551 9.0	123603.4	+3938.3
2282 9.4	94409.2	+3924.6	2372 9.5	103305.6	+3933.8	2462 9.5	113248.6	+3932.3	2552 9.5	123646.3	+3948.3
2283 9.5	94409.3	+3917.1	2373 9.0	103441.5	+3908.9	2463 9.3	113253.8	+3910.7	2553 9.5	123701.0	+3910.5
2284 9.4	94432.6	+3921.6	2374 9.5	103509.3	+3948.2	2464 9.2	113515.0	+3956.3	2554 8.6	123723.8	+3913.9
2285 9.5	94441.4	+3919.8	2375 8.5	103611.1	+3907.4	2465 7.8	113639.1	+3949.1	2555 9.4	123737.3	+3923.5
2286 9.5	94501.5	+3954.0	2376 8.3	103659.0	+3914.9	2466 7.5	113641.5	+3918.1	2556 9.5	123808.1	+3928.6
2287 8.6	94531.2	+3934.8	2377 8.3	103702.5	+3940.8	2467 8.5	113726.6	+3907.9	2557 9.3	123815.5	+3934.3
2288 8.5	94550.7	+3948.7	2378 9.3	103712.5	+3952.7	2468 9.4	113933.4	+3939.2	2558 7.8	123842.9	+3909.5
2289 9.2	94611.8	+3955.3	2379 9.5	103748.1	+3906.0	2469 9.0	114052.7	+3938.3	2559 9.5	123905.7	+3954.7
2290 9.1	94726.8	+3926.3	2380 9.3	103918.1	+3959.4	2470 8.9	114128.4	+3926.8	2560 9.5	124002.8	+3915.5
2291 9.4	94755.6	+3958.2	2381 9.0	104109.9	+3938.7	2471 7.8	114237.9	+3936.2	2561 9.4	124033.4	+3912.0
2292 8.5	94757.5	+3940.8	2382 9.5	104221.1	+3925.9	2472 9.5	114316.4	+3942.6	2562 8.8	124037.3	+3942.3
2293 9.4	94820.5	+3900.6	2383 9.2	104237.6	+3904.4	2473 9.2	114328.9	+3928.8	2563 9.5	124146.4	+3922.4
2294 9.5	94846.1	+3958.7	2384 9.4	104351.4	+3902.7	2474 9.5	114355.5	+3911.8	2564 9.4	124153.5	+3902.9
2295 8.1	94919.7	+3937.8	2385 9.3	104421.4	+3911.0	2475 9.2	114452.8	+3952.3	2565 9.3	124220.7	+3904.9
2296 9.5	94921.3	+3958.3	2386 7.1	104421.7	+3905.5	2476 9.5	114467.4	+3931.3	2566 9.2	124225.3	+3951.3
2297 9.4	94947.8	+3940.5	2387 9.4	104421.9	+3958.7	2477 9.4	114734.3	+3907.4	2567 9.5	124244.8	+3955.5
2298 8.7	94952.8	+3935.3	2388 9.4	104537.3	+3957.2	2478 6.5	114750.4	+3934.2	2568 7.5	124249.8	+3909.5
2299 9.0	95056.3	+3917.5	2389 9.0	104616.3	+3925.9	2479 9.4	114816.4	+3953.9	2569 8.5	124310.3	+3929.6
2300 9.0	95057.5	+3930.8	2390 9.5	104717.5	+3903.0	2480 9.0	114951.2	+3935.8	2570 8.8	124326.9	+3935.4
2301 8.8	95317.4	+3954.0	2391 9.4	104758.6	+3917.9	2481 8.9	115238.4	+3938.8	2571 9.3	124446.8	+3909.6
2302 8.6	95401.1	+3943.9	2392 8.7	104901.5	+3935.4	2482 9.4	115308.4	+3943.1	2572 9.3	124506.7	+3920.0
2303 8.0	95408.6	+3957.6	2393 9.0	105002.0	+3949.7	2483 9.5	115349.6	+3950.9	2573 9.0	124552.1	+3928.4
2304 7.7	95414.5	+3919.4	2394 8.6	105032.0	+3944.7	2484 9.3	115356.9	+3908.9	2574 9.5	124626.9	+3928.5
2305 7.7	95417.2	+3959.7	2395 8.8	105050.1	+3902.0	2485 9.3	115421.9	+3949.2	2575 9.3	124628.6	+3900.5
2306 9.2	95456.0	+3941.9	2396 9.5	105107.1	+3922.9	2486 9.4	115443.9	+3951.5	2576 9.4	124651.6	+3910.6
2307 9.5	95505.2	+3922.9	2397 8.2	105225.0	+3902.4	2487 9.5	115451.0	+3934.5	2577 9.2	124714.8	+3951.7
2308 8.8	95507.0	+3914.4	2398 9.5	105226.0	+3915.0	2488 9.1	115633.3	+3900.4	2578 9.2	124720.5	+3904.5
2309 9.0	95559.6	+3922.5	2399 9.4	105226.5	+3918.5	2489 8.9	115712.1	+3927.8	2579 9.1	124748.0	+3926.9
2310 9.5	95626.5	+3920.4	2400 4.9	105243.0	+3959.1	2490 9.4	115727.6	+3930.3	2580 3.0	124903.6	+3906.1
2311 9.3	95701.8	+3911.0	2401 9.3	105308.4	+3955.1	2491 8.1	115747.7	+3928.8	2581 9.3	124920.8	+3949.3
2312 9.5	95711.8	+3945.2	2402 9.5	105354.3	+3919.5	2492 7.8	115758.9	+3927.3	2582 9.5	124931.6	+3945.4
2313 7.8	95841.9	+3900.0	2403 9.1	105408.6	+3911.6	2493 8.5	115843.2	+3937.3	2583 9.0	125016.9	+3943.3
2314 8.0	95857.5	+3921.4	2404 9.5	105410.5	+3955.4	2494 9.5	115943.3	+3913.8	2584 8.8	125102.9	+3910.0
2315 9.5	95931.2	+3915.5	2405 9.5	105437.7	+3915.8	2495 9.5	120155.0	+3935.3	2585 8.8	125142.7	+3911.9
2316 9.0	95935.8	+3927.4	2406 9.4	105504.3	+3936.8	2496 7.0	120207.3	+3925.8	2586 9.5	125144.7	+3903.8
2317 9.1	100018.7	+3912.4	2407 9.4	105517.2	+3909.5	2497 9.3	120245.8	+3934.2	2587 9.0	125148.7	+3904.0
2318 7.8	100039.3	+3908.4	2408 9.0	105527.1	+3922.0	2498 9.2	120254.0	+3902.3	2588 9.5	125205.2	+3949.2
2319 9.4	100043.8	+3952.1	2409 9.4	105543.1	+3930.0	2499 9.5	120324.5	+3934.4	2589 8.0	125402.1	+3933.8
2320 9.3	100103.5	+3931.8	2410 7.6	105546.5	+3944.6	2500 7.8	120347.7	+3955.4	2590 8.1	125410.1	+3934.3
2321 8.5	100139.6	+3906.5	2411 9.3	105648.0	+3916.6	2501 9.0	120359.5	+3959.3	2591 9.0	125422.6	+3939.3
2322 9.4	100153.0	+3914.9	2412 9.5	105609.2	+3952.5	2502 9.3	120405.4	+3951.7	2592 7.7	125536.6	+3936.2
2323 9.5	100221.5	+3914.8	2413 7.1	105612.7	+3938.4	2503 8.1	120432.2	+3934.6	2593 7.7	125538.0	+3939.5
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2988	9.1	161940.9	+3941.0	3078	8.8	170122.0	+3944.9	3168	9.0	173132.7	+3912.7	3258	9.5	174907.2	+3948.5
2989	8.5	161950.3	+3946.0	3079	8.7	170133.5	+3910.1	3169	8.8	173138.4	+3954.0	3259	8.2	174918.5	+3929.4
2990	9.0	162035.4	+3907.3	3080	9.1	170452.6	+3900.6	3170	9.3	173141.4	+3906.0	3260	8.3	174939.9	+3916.0
2991	9.2	162041.4	+3955.2	3081	9.5	170525.6	+3951.4	3171	9.3	173143.4	+3906.1	3261	9.1	174956.0	+3955.0
2992	9.3	162100.7	+3923.6	3082	8.8	170546.9	+3950.8	3172	8.7	173158.6	+3957.8	3262	9.0	175001.6	+3950.0
2993	9.5	162106.3	+3908.1	3083	8.5	170607.5	+3916.2	3173	8.6	173208.0	+3908.1	3263	8.8	175003.7	+3943.2
2994	9.3	162120.5	+3955.3	3084	9.5	170625.8	+3952.5	3174	9.4	173210.1	+3939.3	3264	8.6	175005.5	+3909.9
2995	9.5	162132.9	+3943.9	3085	8.9	170642.0	+3932.5	3175	9.5	173313.0	+3909.7	3265	8.8	175011.2	+3925.0
2996	7.5	162159.7	+3910.7	3086	8.0	170645.6	+3926.1	3176	8.0	173314.7	+3948.6	3266	9.5	175016.1	+3920.9
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3019	8.5	163153.9	+3908.7	3109	9.3	171557.1	+3950.8	3199	9.1	173734.4	+3912.6	3289	9.5	175408.7	+3943.1
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5132	9.5	233126.1	+3917.8	5222	8.8	235930.6	+3930.7	89	9.5	03255.9	+3859.8	179	9.4	05552.9	+3814.0
5133	9.5	233219.4	+3926.7	5223	9.3	235944.0	+3940.3	90	5.5	03317.1	+3839.0	180	9.5	05554.2	+3815.7
5134	8.7	233234.7	+3918.2	1	9.5	00008.4	+3853.1	91	8.0	03321.4	+3847.9	181	9.5	05607.5	+3852.0
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5136	9.5	233302.1	+3905.1	3	9.4	00107.6	+3832.0	93	9.4	03328.8	+3821.9	183	8.2	05634.8	+3807.4
5137	9.5	233344.6	+3927.1	4	9.0	00126.3	+3817.5	94	7.6	03400.6	+3805.9	184	8.9	05715.0	+3828.2
5138	9.5	233350.3	+3902.4	5	9.5	00214.2	+3802.5	95	8.5	03403.8	+3814.1	185	9.5	05720.2	+3804.0
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5144	8.8	233421.7	+3924.7	11	9.5	00356.2	+3835.1	101	9.5	03556.5	+3804.9	191	9.3	05834.8	+3854.1
5145	8.5	233440.5	+3930.6	12	8.2	00436.0	+3814.7	102	9.4	03558.3	+3856.2	192	9.4	05845.0	+3815.0
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5147	9.5	233508.6	+3951.8	14	8.3	00507.0	+3829.3	104	9.5	03700.5	+3853.4	194	7.9	05951.0	+3828.6
5148	9.3	233512.8	+3901.6	15	9.2	00512.0	+3835.9	105	9.2	03705.8	+3856.4	195	9.5	10024.2	+3840.4
5149	9.5	233534.1	+3919.4	16	9.0	00624.0	+3857.9	106	9.3	03730.6	+3845.2	196	9.3	10033.3	+3843.9
5150	9.5	233613.5	+3959.2	17	9.1	00711.6	+3814.2	107	9.2	03832.4	+3802.9	197	9.3	10049.8	+3804.1
5151	9.5	233629.8	+3907.1	18	9.5	00739.4	+3859.3	108	8.6	03842.9	+3849.5	198	9.5	10055.5	+3830.1
5152	8.4	233637.9	+3930.0	19	8.3	00812.7	+3813.0	109	9.5	03846.7	+3857.0	199	9.5	10118.0	+3849.0
5153	9.0	233655.3	+3953.3	20	9.5	00824.0	+3808.0	110	9.5	03920.0	+3807.6	200	9.5	10130.8	+3859.0
5154	9.2	233657.2	+3919.2	21	9.3	00828.1	+3810.9	111	9.3	03920.9	+3831.4	201	8.2	10136.0	+3803.2
5155	9.5	233659.6	+3900.9	22	9.5	00910.1	+3922.4	112	7.8	03926.2	+3814.4	202	8.9	10140.5	+3851.9
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5157	8.6	233819.9	+3938.1	24	9.3	00940.8	+3836.0	114	9.3	04029.4	+3836.6	204	9.5	10218.2	+3819.2
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5159	9.5	233906.6	+3912.8	26	9.5	01005.6	+3857.8	116	9.1	04121.5	+3840.4	206	9.5	10322.9	+3856.6
5160	9.4	233930.4	+3934.0	27	9.5	01056.4	+3803.0	117	9.5	04132.3	+3809.3	207	9.3	10323.0	+3809.3
5161	9.1	233937.6	+3944.1	28	9.2	01057.1	+3854.1	118	9.0	04159.6	+3827.9	208	9.2	10329.7	+3801.2
5162	9.5	233951.0	+3900.4	29	9.5	01142.7	+3822.1	119	9.5	04211.0	+3801.2	209	9.3	10354.8	+3852.5
5163	9.5	233951.5	+3908.6	30	9.2	01204.9	+3851.4	120	8.7	04226.4	+3804.4	210	9.1	10403.1	+3847.5
5164	9.5	234036.3	+3915.0	31	8.2	01219.2	+3843.3	121	9.5	04303.2	+3847.0	211	9.3	10433.3	+3857.3
5165	9.5	234121.7	+3937.7	32	9.3	01311.9	+3834.1	122	9.0	04320.8	+3822.7	212	9.5	10433.5	+3806.1
5166	9.5	234124.0	+3943.9	33	9.1	01407.0	+3807.5	123	9.5	04329.7	+3807.5	213	9.4	10447.9	+3805.0
5167	8.3	234200.2	+3958.9	34	9.5	01414.4	+3856.0	124	8.9	04339.7	+3838.6	214	8.6	10459.6	+3817.4
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5169	9.3	234236.4	+3931.0	36	9.4	01417.5	+3845.5	126	9.5	04434.4	+3803.9	216	9.5	10508.7	+3818.2
5170	9.5	234237.1	+3943.8	37	9.2	01450.8	+3814.8	127	9.2	04442.7	+3844.5	217	9.5	10518.8	+3850.3
5171	9.3	234303.8	+3902.4	38	9.5	01518.7	+3800.7	128	9.1	04452.1	+3806.7	218	9.4	10518.8	+3845.5
5172	9.1	234305.2	+3951.8	39	9.0	01522.2	+3819.8	129	7.8	04501.2	+3814.1	218#	9.5	10530.6	+3814.5
5173	9.0	234344.9	+3919.0	40	9.5	01614.2	+3838.7	130	8.9	04502.2	+3833.7	219	9.3	10536.1	+3817.5
5174	6.8	234400.3	+3923.7	41	9.3	01656.3	+3853.4	131	8.1	04504.9	+3822.2	220	7.5	10631.6	+3840.4
5175	9.5	234404.8	+3939.8	42	8.5	01725.7	+3821.4	132	9.3	04520.6	+3801.6	221	9.5	10655.2	+3823.7
5176	9.1	234417.7	+3926.2	43	8.5	01727.6	+3816.1	133	9.3	04528.9	+3859.7	222	8.5	10700.8	+3803.2
5177	9.3	234422.4	+3943.4	44	9.5	01733.3	+3834.4	134	8.5	04535.3	+3854.1	223	9.5	10724.4	+3807.7
5178	9.0	234428.5	+3901.4	45	9.3	01737.9	+3831.9	135	9.5	04541.9	+3853.1	224	9.1	10817.4	+3818.9
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5180	8.1	234454.7	+3904.4	47	9.0	01809.4	+3838.4	137	9.3	04619.8	+3821.8	226	9.5	10826.2	+3836.1
5181	8.6	234456.2	+3917.2	48	9.3	01838.3	+3808.5	138	8.6	04635.5	+3807.2	227	9.3	10828.9	+3842.7
5182	8.7	234456.6	+3955.0	49	9.5	01901.8	+3828.6	139	9.0	04638.7	+3822.4	228	9.3	10834.7	+3851.3
5183	9.5	234508.4	+3930.2	50	9.5	01904.5	+3836.6	140	8.2	04639.0	+3822.8	229	6.8	10902.1	+3842.5
5184	9.4	234606.0	+3947.3	51	9.3	01944.7	+3856.1	141	9.5	04651.2	+3853.5	230	9.5	10927.4	+3827.4
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5188	8.7	234701.7	+3930.6	55	9.5	02106.2	+3802.4	145	9.4	04743.5	+3855.5	234	9.1	11021.3	+3809.3
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+38 1706 7h01m

*38 1707 7h02m

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1708	9.1	70212.2	+3831.8	1798	7.6	72821.9	+3834.2	1888	9.4	80616.1	+3812.8	1978	9.3	84630.5	+3832.6
1709	8.7	70214.2	+3844.3	1799	9.3	72841.1	+3800.5	1889	8.5	80617.9	+3855.6	1979	9.5	84746.4	+3809.0
1710	9.2	70246.6	+3832.1	1800	9.4	72848.8	+3825.0	1890	9.5	80708.6	+3818.9	1980	9.5	84805.7	+3820.1
1711	9.5	70340.6	+3841.3	1801	9.5	72852.6	+3823.3	1891	8.1	80814.9	+3818.7	1981	7.2	84831.5	+3849.3
1712	8.0	70349.8	+3820.6	1802	8.2	72900.7	+3839.6	1892	9.5	80830.2	+3818.1	1982	9.5	84905.1	+3858.5
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1714	9.3	70431.8	+3822.7	1804	9.3	73040.0	+3834.8	1894	7.9	80911.6	+3810.8	1984	9.1	85027.2	+3859.1
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1748	9.4	71406.7	+3855.5	1838	9.4	74556.2	+3828.8	1928	9.4	82509.0	+3826.9	2018	9.2	86708.2	+3842.3
1749	9.3	71430.0	+3802.8	1839	8.6	74610.0	+3825.9	1929	9.5	82534.2	+3813.1	2019	9.5	86755.1	+3859.4
1750	9.3	71435.3	+3841.3	1840	9.4	74701.0	+3819.1	1930	9.3	82623.0	+3823.7	2020	9.3	86847.5	+3805.9
1751	9.5	71435.8	+3826.6	1841	9.5	74836.3	+3830.1	1931	9.5	82653.3	+3833.9	2021	8.5	86925.3	+3842.7
1752	8.6	71449.0	+3805.7	1842	9.5	74923.8	+3811.1	1932	9.1	82745.4	+3825.0	2022	7.8	87103.5	+3822.8
1753	9.4	71507.1	+3824.3	1843	9.5	74926.4	+3855.9	1933	9.5	82751.8	+3844.3	2023	9.5	87107.6	+3833.0
1754	9.3	71515.7	+3808.4	1844	9.3	74935.1	+3832.8	1934	9.2	82803.5	+3833.5	2024	9.5	87123.7	+3851.2
1755	9.5	71521.3	+3848.7	1845	9.2	74936.1	+3840.4	1935	9.5	82913.8	+3847.3	2025	6.7	87154.9	+3848.2
1756	9.2	71525.9	+3841.3	1846	9.4	74944.2	+3802.7	1936	9.5	82919.7	+3831.1	2026	8.6	87140.9	+3800.6
1757	8.0	71622.5	+3806.4	1847	9.3	74949.7	+3844.1	1937	8.8	82921.6	+3841.0	2027	8.8	87143.3	+3856.7
1758	9.5	71625.5	+3834.0	1848	9.2	75031.2	+3805.6	1938	9.3	82953.4	+3802.6	2028	9.0	87158.5	+3804.5
1759	9.4	71706.4	+3831.3	1849	9.5	75111.8	+3850.2	1939	9.1	82954.7	+3816.4	2029	9.1	87163.6	+3854.6
1760	7.1	71743.3	+3857.0	1850	9.4	75114.4	+3822.7	1940	7.7	83118.2	+3840.6	2030	7.8	87163.7	+3831.3
1761	9.3	71801.1	+3839.7	1851	9.3	75155.1	+3842.9	1941	9.5	83125.8	+3822.5	2031	9.5	87174.6	+3847.2
1762	9.3	71818.0	+3857.6	1852	9.4	75303.8	+3829.6	1942	9.2	83137.3	+3834.6	2032	9.4	87180.7	+3850.2
1763	9.4	71830.5	+3803.2	1853	9.2	75405.3	+3833.1	1943	8.0	83243.8	+3835.2	2033	9.4	87190.2	+3808.7
1764	9.5	71834.9	+3834.5	1854	9.5	75417.3	+3829.5	1944	9.5	83304.5	+3815.3	2034	9.5	87192.4	+3852.0
1765	9.4	71847.1	+3832.2	1855	9.5	75425.6	+3834.4	1945	9.5	83414.3	+3825.5	2035	9.4	87195.3	+3806.5
1766	9.3	71854.6	+3837.9	1856	9.5	75502.8	+3838.4	1946	9.4	83431.6	+3836.3	2036	9.2	87194.5	+3802.5
1767	9.3	71909.3	+3830.1	1857	8.9	75636.3	+3806.3	1947	9.2	83437.4	+3850.2	2037	9.5	87195.4	+3841.7
1768	9.5	71925.8	+3838.1	1858	9.5	75640.1	+3827.1	1948	9.1	83504.5	+3847.0	2038	9.3	87201.4	+3853.2
1769	9.1	71933.9	+3810.7	1859	9.3	75658.4	+3802.7	1949	9.4	83520.0	+3814.2	2039	9.1	87202.7	+3840.7
1770	9.3	71934.0	+3856.4	1860	9.5	75742.5	+3820.7	1950	8.4	83531.3	+3813.0	2040	9.1	87205.8	+3835.7
1771	7.7	72008.2	+3845.0	1861	6.8	75809.3	+3859.6	1951	9.5	83533.8	+3804.2	2041	9.3	87213.1	+3849.7
1772	8.7	72022.6	+3846.7	1862	9.2	75816.5	+3838.0	1952	9.2	83604.5	+3808.8	2042	8.9	87215.8	+3852.8
1773	6.8	72035.0	+3828.9	1863	8.5	75823.9	+3822.7	1953	8.2	83607.3	+3852.5	2043	9.4	87233.9	+3823.1
1774	9.3	72114.8	+3829.5	1864	9.5	75836.9	+3807.2	1954	9.2	83627.5	+3814.2	2044	9.3	87240.5	+3835.4
1775	8.8	72207.4	+3848.5	1865	7.0	75840.0	+3856.4	1955	9.0	83629.2	+3851.8	2045	9.3	87241.9	+3837.8
1776	9.5	72219.9	+3822.6	1866	7.7	75845.8	+3816.8	1956	9.1	83648.8	+3844.3	2046	8.5	87243.0	+3822.9
1777	9.3	72236.3	+3851.2	1867	9.1	75849.1	+3814.8	1957	9.3	83649.9	+3815.4	2047	9.0	87251.3	+3830.6
1778	9.5	72246.8	+3802.7	1868	9.5	75909.5	+3849.3	1958	7.1	83728.8	+3834.3	2048	9.3	87269.5	+3829.7
1779	9.0	72314.2	+3825.9	1869	9.0	75948.2	+3817.7	1959	8.7	83743.4	+3847.0	2049	9.5	87262.6	+3809.9
1780	9.5	72325.7	+3837.5	1870	8.7	75949.5	+3817.2	1960	9.3	83939.7	+3814.5	2050	9.2	87265.1	+3855.2
1781	9.1	72354.8	+3800.9	1871	9.1	80003.6	+3854.9	1961	6.8	83939.8	+3853.2	2051			

+38 2067 9h39m

+38 2426 13h11m

2067 8.6 93907.1 +3816.0	2157 9.5 102714.8 +3807.4	2247 7.0 111955.6 +3844.3	2337 9.4 122014.6 +3803.0
2068 9.3 93924.6 +3835.2	2158 9.4 102757.8 +3836.5	2248 9.3 112055.6 +3803.4	2338 9.4 122021.5 +3822.3
2069 9.5 93930.9 +3842.1	2159 8.9 102810.7 +3837.2	2249 9.5 112133.5 +3815.3	2339 9.4 122106.6 +3849.1
2070 9.5 94033.7 +3849.5	2160 9.0 102820.5 +3807.0	2250 7.2 112228.9 +3844.0	2340 9.3 122116.7 +3810.3
2071 9.5 94040.5 +3826.5	2161 9.5 102844.2 +3843.5	2251 9.5 112350.0 +3834.6	2341 8.9 122144.3 +3852.0
2072 9.4 94049.6 +3814.0	2162 9.5 102858.7 +3834.0	2252 9.3 112434.1 +3859.9	2342 8.5 122149.0 +3823.9
2073 9.5 94051.8 +3832.4	2163 9.6 102941.7 +3821.3	2253 9.1 112440.0 +3800.0	2343 9.0 122308.3 +3819.4
2074 9.5 94144.1 +3809.5	2164 9.5 102959.8 +3855.4	2254 9.4 112510.5 +3830.6	2344 8.0 122352.5 +3857.4
2075 9.0 94228.5 +3816.9	2165 8.5 103035.2 +3801.0	2255 9.3 112514.5 +3843.9	2345 9.5 122434.6 +3812.4
2076 6.3 94334.1 +3836.2	2166 5.7 103049.8 +3838.9	2256 9.1 112529.4 +3854.0	2346 9.3 122438.2 +3833.8
2077 9.4 94453.5 +3826.3	2167 7.8 103130.1 +3834.9	2257 9.5 112538.8 +3822.8	2347 6.8 122627.0 +3853.0
2078 8.9 94542.2 +3809.9	2168 9.5 103205.0 +3814.4	2258 9.5 112659.8 +3853.5	2348 9.3 122819.5 +3824.5
2079 8.4 94605.6 +3806.9	2169 9.5 103206.2 +3805.0	2259 9.5 112815.5 +3823.2	2349 8.3 122846.0 +3819.4
2080 9.4 94610.4 +3831.3	2170 9.3 103309.5 +3836.6	2260 9.5 112912.9 +3838.9	2350 8.7 122849.0 +3834.4
2081 9.5 94621.5 +3830.3	2171 8.9 103350.3 +3800.6	2261 9.5 113028.0 +3843.5	2351 8.3 123034.2 +3835.7
2082 9.0 94632.8 +3837.2	2172 8.0 103358.0 +3847.1	2262 9.3 113036.5 +3848.5	2352 9.5 123215.4 +3849.2
2083 8.0 94712.2 +3846.5	2173 9.3 103406.1 +3806.0	2263 9.5 113135.1 +3849.4	2353 9.5 123242.1 +3800.9
2084 9.1 94721.5 +3857.0	2174 8.5 103559.8 +3815.9	2264 8.6 113158.5 +3801.0	2354 9.5 123316.1 +3813.7
2085 9.0 94817.7 +3845.6	2175 9.1 103600.2 +3825.9	2265 9.5 113301.4 +3827.5	2355 9.5 123407.3 +3800.5
2086 9.1 94905.6 +3802.0	2176 8.0 103646.3 +3852.0	2266 9.5 113349.4 +3856.0	2356 9.5 123428.4 +3815.3
2087 9.4 94912.3 +3806.5	2177 9.4 103829.2 +3817.4	2267 9.5 113417.8 +3834.7	2357 9.0 123438.1 +3836.8
2088 9.5 94931.8 +3821.5	2178 9.5 103930.8 +3810.4	2268 9.1 113420.5 +3809.3	2358 9.5 123510.3 +3845.6
2089 9.3 94950.0 +3814.0	2179 7.0 104008.9 +3820.0	2269 9.3 113425.4 +3848.1	2359 9.5 123519.4 +3814.3
2090 8.9 95033.9 +3827.8	2180 9.0 104010.1 +3842.5	2270 9.2 113435.5 +3802.4	2360 8.7 123606.3 +3853.9
2091 9.4 95036.5 +3811.3	2181 9.2 104051.9 +3856.6	2271 8.7 113528.8 +3803.4	2361 8.7 123610.1 +3851.4
2092 9.5 95123.8 +3844.1	2182 9.3 104058.3 +3845.6	2272 8.6 113551.1 +3803.9	2362 9.2 123656.0 +3852.2
2093 8.5 95133.6 +3825.6	2183 9.0 104058.3 +3828.6	2273 8.5 113640.6 +3820.3	2363 9.5 123659.2 +3845.0
2094 7.8 95412.3 +3836.3	2184 8.6 104124.3 +3848.0	2274 9.1 113643.5 +3846.2	2364 9.5 123718.5 +3807.4
2095 9.3 95506.7 +3812.3	2185 9.3 104201.6 +3847.3	2275 8.4 113712.3 +3844.0	2365 9.5 123829.8 +3851.1
2096 6.5 95513.2 +3845.5	2186 9.4 104206.9 +3851.8	2276 9.5 113327.0 +3818.3	2366 8.1 123842.2 +3858.6
2097 9.4 95527.6 +3837.4	2187 9.5 104211.0 +3813.9	2277 9.3 113562.2 +3825.0	2367 9.5 123909.4 +3831.6
2098 8.4 95637.1 +3820.7	2188 9.5 104453.5 +3858.0	2278 9.3 114144.2 +3837.2	2368 9.2 123952.6 +3801.4
2099 9.5 95650.4 +3803.6	2189 9.5 104538.2 +3849.1	2279 8.9 114146.3 +3811.9	2369 9.5 124046.8 +3836.1
2100 9.5 95743.8 +3859.5	2190 9.0 104551.4 +3829.3	2280 9.5 114057.9 +3848.0	2370 9.5 124136.9 +3827.4
2101 9.1 95749.1 +3807.5	2191 9.4 104634.1 +3825.8	2281 9.4 114128.1 +3849.0	2371 9.4 124149.0 +3800.7
2102 9.1 95800.9 +3824.5	2192 9.3 104659.9 +3835.0	2282 9.4 114205.2 +3805.9	2372 9.4 124239.6 +3815.2
2103 8.0 95819.8 +3844.1	2193 9.4 104731.7 +3806.9	2283 9.2 114216.4 +3841.7	2373 6.0 124316.1 +3819.3
2104 8.5 95820.1 +3816.0	2194 9.5 104840.8 +3842.5	2284 9.3 114307.8 +3808.8	2374 8.1 124412.0 +3810.3
2105 9.5 100009.2 +3826.9	2195 9.3 104841.2 +3829.3	2285 6.5 114415.6 +3845.5	2375 9.5 124452.5 +3834.3
2106 8.3 100058.6 +3852.5	2196 9.4 104906.0 +3810.6	2286 9.3 114529.9 +3821.9	2376 8.8 124532.8 +3801.4
2107 9.1 100106.8 +3805.1	2197 8.4 104918.8 +3825.2	2287 9.5 114545.2 +3857.0	2377 8.3 124642.8 +3846.1
2108 9.1 100109.4 +3821.9	2198 9.4 104937.9 +3858.0	2288 8.5 114633.7 +3844.5	2378 9.5 124659.9 +3817.4
2109 9.1 100151.9 +3815.3	2199 9.2 104952.1 +3837.6	2289 8.9 114651.6 +3851.0	2379 9.5 124704.6 +3847.2
2110 6.0 100154.4 +3806.9	2200 9.5 105041.9 +3803.1	2290 9.4 114730.7 +3834.1	2380 8.3 124800.4 +3834.4
2111 9.1 100309.6 +3815.0	2201 9.5 105046.2 +3832.5	2291 9.5 115000.2 +3821.2	2381 9.5 124847.1 +3814.9
2112 9.5 100339.6 +3822.8	2202 8.7 105121.8 +3845.5	2292 9.3 115046.9 +3822.8	2382 9.2 124921.1 +3834.3
2113 9.4 100445.9 +3821.0	2203 9.0 105127.2 +3825.1	2293 9.3 115101.3 +3844.0	2383 9.4 124954.2 +3829.6
2114 9.5 100448.9 +3824.3	2204 9.5 105158.8 +3817.4	2294 7.8 115117.2 +3840.6	2384 9.4 124958.2 +3829.3
2115 9.5 100454.9 +3829.5	2205 7.8 105335.1 +3846.8	2295 9.2 115212.1 +3831.1	2385 9.5 125003.4 +3808.3
2116 9.0 100500.0 +3831.3	2206 9.1 105403.4 +3847.0	2296 9.0 115232.7 +3853.0	2386 9.5 125116.5 +3802.4
2117 8.1 100609.4 +3840.0	2207 9.5 105506.8 +3833.8	2297 8.6 115639.0 +3848.0	2387 9.4 125131.9 +3821.8
2118 9.5 100624.5 +3859.0	2208 9.3 105510.8 +3854.6	2298 9.2 115646.5 +3818.8	2388 9.1 125158.5 +3815.1
2119 9.3 100647.0 +3849.9	2209 9.4 105758.8 +3847.0	2299 9.2 115714.3 +3831.3	2389 8.6 125233.9 +3835.4
2120 9.2 100707.8 +3849.5	2210 9.4 105850.3 +3833.2	2300 9.3 115907.4 +3854.5	2390 9.5 125320.3 +3804.4
2121 9.0 100850.9 +3835.0	2211 8.8 110019.7 +3846.3	2301 9.2 120046.6 +3823.3	2391 8.8 125340.3 +3830.1
2122 9.5 100856.3 +3854.2	2212 9.3 110133.3 +3852.7	2302 9.5 120048.7 +3834.9	2392 8.5 125417.3 +3810.3
2123 9.4 100926.5 +3822.5	2213 8.8 110247.4 +3843.0	2303 9.5 120109.8 +3852.5	2393 9.5 125418.4 +3820.3
2124 9.2 100942.5 +3852.8	2214 9.1 110318.7 +3850.7	2304 8.5 120128.8 +3839.3	2394 7.8 125435.5 +3844.9
2125 7.7 100949.8 +3813.7	2215 8.4 110325.4 +3828.1	2305 9.5 120216.0 +3833.5	2395 9.3 125458.1 +3833.2
2126 9.3 101103.0 +3854.6	2216 9.1 110516.3 +3857.2	2306 9.5 120250.4 +3827.0	2396 7.0 125536.8 +3806.8
2127 9.5 101203.2 +3808.2	2217 9.5 110630.5 +3812.0	2307 9.5 120314.0 +3821.9	2397 8.9 125709.8 +3811.3
2128 9.5 101206.2 +3802.4	2218 9.5 110700.0 +3808.7	2308 9.5 120346.0 +3842.5	2398 7.8 125811.9 +3802.9
2129 9.4 101234.9 +3804.2	2219 7.9 110706.4 +3822.5	2309 9.5 120444.4 +3809.6	2399 9.0 125826.8 +3810.3
2130 9.4 101254.5 +3807.5	2220 9.1 110757.8 +3826.5	2310 9.1 120501.4 +3818.1	2400 8.5 125830.6 +3848.2
2131 9.0 101355.2 +3854.7	2221 8.3 110847.9 +3811.5	2311 9.3 120515.1 +3833.5	2401 9.0 125904.4 +3859.1
2132 9.1 101430.5 +3856.7	2222 9.2 110925.1 +3810.5	2312 9.3 120653.5 +3850.5	2402 8.5 125937.4 +3801.9
2133 9.5 101525.5 +3841.5	2223 9.1 110925.3 +3814.3	2313 9.5 120712.3 +3841.3	2403 7.5 130032.7 +3802.8
2134 8.3 101547.0 +3852.0	2224 9.5 11054.8 +3830.2	2314 9.5 120750.8 +3852.7	2404 9.5 130052.5 +3807.8
2135 8.8 101609.4 +3826.6	2225 4.8 111112.9 +3858.7	2315 9.1 120753.4 +3841.3	2405 9.4 130053.6 +3840.1
2136 8.1 101631.8 +3845.0	2226 9.5 111130.5 +3839.4	2316 8.8 120805.4 +3816.7	2406 9.5 130210.4 +3847.6
2137 9.4 101637.5 +3818.3	2227M 9.5 111147.4 +3834.3	2317 9.3 120813.8 +3825.7	2407 6.0 130259.3 +3812.7
2138 9.5 101649.6 +3818.2	2228 7.5 111147.5 +3853.2	2318 9.4 120854.9 +3804.7	2408 9.4 130342.2 +3848.6
2139 8.6 101733.2 +3836.8	2229 9.5 111338.8 +3843.2	2319 9.3 120921.6 +3814.6	2409 9.5 130402.7 +3833.4
2140 8.6 101755.1 +3827.6	2230 9.1 111346.5 +3818.5	2320 9.0 120927.3 +3826.1	2410 9.4 130459.4 +3825.0
2141 8.8 101845.2 +3824.0	2231 8.7 111457.3 +3809.0	2321 8.8 120938.4 +3816.2	2411 9.4 130504.8 +3855.0
2142 9.0 102014.8 +3853.5	2232 9.5 111500.7 +3813.2	2322 9.5 121114.0 +3858.0	2412 30.0 130623.9 +3808.9
2143 9.0 102050.4 +3839.5	2233 9.4 111509.2 +3844.2	2323 9.4 121154.3 +3812.6	2413 8.3 130659.9 +3859.0
2144 8.8 102108.8 +3840.1	2234 6.8 111602.7 +3800.8	2324 6.5 121301.0 +3843.2	2414 9.1 130703.4 +3827.3
2145 9.4 102146.4 +3833.4	2235 8.9 111614.4 +3852.2	2325 9.3 121346.0 +3832.0	2415 8.9 130714.2 +3831.8
2146 9.2 102147.9 +3822.7	2236 8.4 111619.5 +3830.1	2326 7.3 121351.5 +3850.5	2416 9.5 130831.5 +3837.6
2147 8.4 102150.2 +3827.3	2237 9.2 111644.1 +3838.4	2327 9.4 121704.8 +3848.1	2417 9.0 130833.0 +3847.6
2148 9.5 102152.1 +3845.3	2238 9.2 111652.4 +3845.2	2328 9.4 121712.8 +3842.1	2418 8.9 130912.9 +3823.8
2149 9.5 102157.7 +3842.8	2239 9.5 111825.3 +3859.1	2329 8.8 121720.7 +3829.9	2419 8.6 130958.1 +3859.6
2150 9.3 102212.9 +3842.1	2240 9.5 111847.7 +3807.9	2330 9.3 121721.5 +3831.3	2420 9.1 131012.0 +3856.6
2151 9.5 102250.1 +3806.4	2241 8.6 111849.6 +3831.1	2331 7.5 121757.3 +3802.5	2421 9.5 131037.8 +3844.7
2152 8.8 102453.4 +3825.3	2242 9.5 111859.4 +3817.3	2332 9.1 121757.6 +3843.3	2422 8.2 131059.9 +3818.3
2153 9.0 102528.1 +3841.2	2243 9.3 111909.7 +3813.7	2333 8.0 121816.8 +3813.7	2423 9.5 131115.4 +3801.9
2154 9.2 102549.1 +3846.2	2244 9.4 111919.2 +3803.1	2334 9.5 121907.1 +3819.2	2424 9.5 131127.3 +3812.8
2155 9.3 102552.5 +3855.2	2245 9.5 111935.0 +3837.8	2335 9.5 121911.1 +3801.4	2425 9.5 131136.1 +3855.0
2156 9.5 102636.6 +3857.3	2246 9.2 111935.8 +3802.6	2336 9.5 121929.3 +3801.4	2426 9.5 131138.7 +3815.8

+38 2427 13h11m

+38 2786 16h25m

2427	9.3	131146.5	+3842.6	2517	9.3	140314.7	+3802.0	2607	9.4	145235.9	+3839.4	2697	9.2	154122.5	+3822.3
2428	8.5	131223.9	+3808.8	2518	7.5	140338.4	+3800.6	2608	9.4	145421.8	+3848.1	2698	9.5	154125.1	+3842.4
2429	9.5	131302.5	+3827.0	2519	9.4	140352.8	+3812.0	2609	9.5	145452.9	+3816.2	2699	9.4	154158.5	+3826.4
2430	9.0	131307.6	+3838.8	2520	7.5	140423.3	+3840.9	2610	9.5	145528.4	+3839.1	2700	9.5	154246.2	+3832.9
2431	7.2	131331.7	+3855.7	2521	8.0	140428.0	+3810.7	2611	9.5	145534.8	+3818.6	2701	8.8	154248.0	+3825.6
2432	8.4	131342.7	+3826.0	2522	9.4	140521.9	+3809.6	2612	9.5	145557.5	+3821.6	2702	9.0	154408.6	+3842.8
2433	7.0	131410.6	+3818.8	2523	9.5	140532.7	+3843.4	2613	9.5	145709.3	+3829.2	2703	8.8	154418.8	+3844.3
2434	9.5	131411.9	+3826.8	2524	9.5	140601.7	+3823.9	2614	9.5	150036.0	+3840.1	2704	9.5	154446.7	+3822.2
2435	6.8	131436.7	+3837.1	2525	8.6	140602.5	+3812.4	2615	9.5	150128.6	+3823.9	2705	9.5	154449.3	+3835.8
2436	8.5	131437.7	+3833.1	2526	9.4	140636.4	+3803.6	2616	9.4	150249.6	+3843.5	2706	8.0	154515.5	+3816.9
2437	9.5	131559.8	+3829.6	2527	9.1	140703.3	+3854.8	2617	9.4	150256.2	+3832.0	2707	9.2	154522.3	+3841.4
2438	9.3	131634.3	+3809.4	2528	7.9	140743.4	+3815.4	2618	9.5	150336.7	+3835.4	2708	7.5	154533.4	+3800.6
2439	9.5	131701.5	+3821.7	2529	8.6	140759.5	+3801.1	2619	9.0	150348.8	+3810.6	2709	9.2	154648.1	+3859.3
2440	9.1	131757.2	+3803.0	2530	9.4	140812.0	+3859.9	2620	7.9	150433.4	+3814.7	2710	9.5	154805.0	+3821.0
2441	9.3	131814.0	+3806.3	2531	9.5	140839.3	+3848.9	2621	8.5	150434.3	+3859.9	2711	9.4	154941.5	+3828.6
2442	8.5	131822.7	+3817.5	2532	9.5	140842.0	+3818.3	2622	9.2	150434.7	+3859.4	2712	5.7	155030.7	+3822.3
2443	7.6	131827.4	+3811.5	2533	9.0	140849.9	+3843.8	2623	9.5	150447.3	+3849.6	2713	9.5	155047.4	+3855.3
2444	9.0	131828.5	+3816.7	2534	9.1	140857.9	+3809.2	2624	9.2	150537.7	+3800.8	2714	9.3	155123.3	+3846.9
2445	9.5	131858.3	+3828.7	2535	9.2	140858.8	+3847.5	2625	9.3	150652.1	+3822.1	2715	6.8	155307.6	+3814.4
2446	8.0	131913.1	+3835.9	2536	9.4	140912.5	+3808.5	2626	9.5	150658.0	+3829.0	2716	9.5	155350.0	+3800.1
2447	9.5	131914.4	+3838.9	2537	8.8	140931.0	+3827.3	2627	9.3	150700.3	+3824.4	2717	9.5	155404.9	+3811.0
2448	9.0	132045.6	+3857.8	2538	8.4	141035.4	+3825.5	2628	9.0	150756.0	+3820.2	2718	8.7	155430.1	+3853.3
2449	9.3	132059.6	+3843.9	2539	9.5	141116.5	+3818.7	2629	6.0	150804.0	+3847.6	2719	8.9	155455.2	+3810.5
2450	8.5	132246.9	+3842.4	2540	9.5	141129.7	+3837.9	2630	9.5	150902.1	+3801.8	2720	9.5	155538.4	+3823.3
2451	8.5	132315.3	+3821.7	2541	7.5	141153.4	+3819.9	2631	7.0	150924.8	+3851.0	2721	9.5	155552.3	+3858.7
2452	9.1	132400.3	+3802.5	2542	9.2	141315.5	+3835.3	2632	9.4	150930.8	+3825.2	2722	9.5	155609.8	+3836.3
2453	9.3	132405.8	+3857.0	2543	9.3	141316.4	+3832.4	2633	9.3	151121.3	+3846.0	2723	9.5	155646.5	+3832.2
2454	8.3	132414.3	+3831.0	2544	7.5	141327.5	+3816.9	2634	9.5	151150.4	+3815.2	2724	9.1	160015.8	+3812.0
2455	9.4	132457.2	+3808.4	2545	9.0	141347.6	+3837.3	2635	9.3	151309.9	+3809.2	2725	9.5	160058.0	+3814.0
2456	9.5	132524.4	+3843.0	2546	9.4	141406.5	+3818.5	2636	9.5	151309.9	+3809.2	2726	9.3	160157.9	+3859.3
2457	8.9	132738.5	+3822.3	2547	9.2	141413.9	+3805.5	2637	9.2	151321.4	+3827.2	2727	9.1	160258.3	+3800.1
2458	8.6	132804.9	+3822.1	2548	9.1	141422.0	+3837.0	2638	9.4	151337.8	+3804.2	2728	9.5	160338.1	+3822.5
2459	8.9	132844.4	+3800.8	2549	8.0	141509.5	+3804.0	2639	8.9	151338.9	+3800.9	2729	9.5	160359.8	+3822.0
2460	8.6	132859.9	+3808.9	2550	9.4	141642.7	+3837.3	2640	8.8	151344.5	+3855.0	2730	9.3	160426.6	+3801.1
2461	7.7	132907.9	+3827.3	2551	9.5	141722.4	+3810.0	2641	9.5	151344.9	+3813.2	2731	8.7	160436.3	+3850.9
2462	9.2	132947.9	+3825.3	2552	9.5	141810.1	+3829.7	2642	8.2	151348.4	+3818.6	2732	9.0	160648.8	+3844.4
2463	9.2	133122.5	+3810.9	2553	9.4	141854.4	+3834.6	2643	9.3	151354.0	+3823.5	2733	9.4	160726.4	+3824.5
2464	9.4	133131.2	+3837.6	2554	8.8	141858.4	+3810.5	2644	9.1	151409.4	+3815.2	2734	9.5	160732.2	+3809.6
2465	8.6	133144.9	+3844.2	2555	9.0	142020.5	+3837.5	2645	9.3	151459.2	+3857.1	2735	9.5	160755.2	+3842.8
2466	9.4	133203.9	+3829.7	2556	9.4	142153.3	+3855.5	2646	9.5	151514.5	+3837.1	2736	6.8	160802.0	+3826.9
2467	9.0	133337.8	+3842.9	2557	7.8	142213.1	+3812.4	2647	9.5	151632.5	+3836.8	2737	9.5	160910.2	+3810.0
2468	9.0	133459.6	+3807.1	2558	9.0	142236.5	+3853.8	2648	8.5	151724.4	+3822.9	2738	9.1	160919.2	+3831.6
2469	9.2	133542.0	+3816.8	2559	9.5	142243.8	+3825.0	2649	8.8	151739.1	+3827.2	2739	9.1	160928.8	+3828.9
2470	9.2	133548.9	+3830.3	2560	8.8	142314.5	+3854.9	2650	9.5	151754.0	+3844.0	2740	9.5	160935.8	+3801.0
2471	8.5	133554.8	+3833.3	2561	9.2	142332.3	+3838.0	2651	9.0	151845.5	+3840.5	2741	9.4	160939.5	+3815.7
2472	9.2	133651.5	+3819.0	2562	9.5	142429.0	+3832.3	2652	7.5	151853.0	+3842.1	2742	9.5	160958.5	+3844.3
2473	7.4	133654.1	+3859.9	2563	9.0	142444.8	+3823.4	2653	8.5	151907.4	+3811.2	2743	9.5	161001.9	+3848.4
2474	9.5	133705.0	+3819.1	2564	8.5	142517.0	+3851.9	2654	9.2	151936.8	+3802.8	2744	9.5	161048.8	+3811.1
2475	9.5	133817.9	+3843.2	2565	2.8	142614.2	+3827.5	2655	8.9	151938.7	+3813.0	2745	9.1	161050.4	+3859.8
2476	9.3	133857.0	+3802.5	2566	9.2	142654.2	+3820.3	2656	9.5	152002.3	+3839.1	2746	8.5	161106.3	+3844.0
2477	7.3	133943.4	+3816.5	2567	9.4	142723.4	+3814.0	2657	9.5	152014.4	+3818.2	2747	7.5	161136.6	+3859.3
2478	8.2	134053.4	+3820.0	2568	9.5	142726.5	+3809.9	2658	9.3	152110.4	+3801.8	2748	9.2	161152.8	+3848.9
2479	6.8	134114.5	+3837.3	2569	9.5	142815.6	+3824.3	2659	9.4	152122.0	+3855.5	2749	9.4	161200.2	+3810.0
2480	9.5	134129.3	+3823.0	2570	7.5	142841.1	+3838.4	2660	9.3	152129.5	+3809.2	2750	8.8	161242.2	+3803.2
2481	8.9	134310.7	+3836.3	2571	9.2	142903.9	+3833.9	2661	9.5	152221.1	+3814.6	2751	8.7	161258.5	+3822.3
2482	7.8	134312.9	+3801.0	2572	9.3	142904.5	+3826.9	2662	8.6	152246.0	+3851.1	2752	7.8	161309.7	+3857.8
2483	9.4	134422.6	+3823.7	2573	9.3	142911.2	+3811.1	2663	8.8	152250.5	+3810.2	2753	9.5	161337.0	+3801.0
2484	9.4	134424.7	+3813.5	2574	9.5	143135.8	+3843.0	2664	8.9	152259.8	+3843.1	2754	9.3	161337.8	+3811.2
2485	8.0	134511.4	+3825.7	2575	9.5	143147.0	+3829.6	2665	8.9	152401.0	+3827.6	2755	7.0	161351.2	+3807.5
2486	9.5	134622.3	+3833.0	2576	8.1	143205.5	+3801.9	2666	9.5	152404.5	+3823.7	2756	9.5	161355.6	+3832.9
2487	9.0	134741.2	+3835.6	2577	9.5	143346.4	+3803.7	2667	9.0	152451.5	+3859.9	2757	9.0	161356.5	+3817.4
2488	9.2	134754.2	+3852.3	2578	7.0	143412.0	+3843.1	2668	7.8	152518.3	+3839.6	2758	9.4	161423.2	+3819.2
2489	8.5	134758.7	+3857.8	2579	7.2	143511.8	+3846.0	2669	8.9	152527.7	+3807.7	2759	9.5	161433.8	+3804.6
2490	9.5	134925.3	+3832.0	2580	9.0	143536.5	+3853.5	2670	9.3	152601.0	+3840.1	2760	9.2	161462.2	+3814.5
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2494	8.4	135100.0	+3829.3	2584	9.5	143910.1	+3831.6	2674	9.2	152724.7	+3809.1	2764	9.5	161734.0	+3839.1
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2496	9.4	135215.0	+3837.9	2586	9.4	143928.5	+3815.6	2676	9.5	152843.0	+3841.3	2766	9.5	161750.1	+3823.5
2497	9.0	135229.6	+3844.9	2587	9.4	143952.0	+3835.8	2677	9.5	152910.8	+3858.3	2767	9.5	161825.2	+3803.7
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3507	7.7	191047.5	+3807.0	3597	9.4	192202.2	+3848.3	3687	9.5	193350.6	+3833.1	3777	9.5	194517.7	+3828.9
3508	8.5	191101.9	+3817.0	3598	9.5	192202.8	+3803.3	3688	9.5	193353.4	+3825.2	3778	9.5	194518.3	+3831.4
3509	9.2	191113.4	+3807.8	3599	9.5	192211.4	+3851.0	3689	9.4	193359.3	+3827.5	3779	9.4	194521.1	+3830.4
3510	9.5	191119.7	+3824.9	3600	9.5	192225.2	+3842.9	3690	9.5	193407.6	+3843.1	3780	5.5	194525.9	+3821.2
3511	8.4	191134.2	+3846.0	3601	8.2	192227.0	+3830.8	3691	9.5	193415.0	+3830.5	3781	9.5	194528.5	+3840.1
3512	8.5	191136.7	+3854.9	3602	9.4	192316.5	+3815.7	3692	9.5	193415.4	+3840.6	3782	9.0	194537.2	+3815.8
3513	9.5	191142.8	+3807.5	3603	9.5	192317.2	+3832.7	3693	9.1	193423.6	+3840.6	3783	9.5	194544.0	+3844.0
3514	8.0	191145.3	+3837.4	3604	9.4	192317.6	+3851.5	3694	9.5	193429.0	+3845.1	3784	8.9	194551.1	+3848.2
3515	8.1	191150.2	+3852.7	3605	9.5	192322.3	+3811.9	3695	8.3	193435.2	+3818.9	3785	9.2	194551.6	+3839.2
3516	9.1	191153.9	+3826.3	3606	9.5	192325.0	+3840.0	3696	8.6	193444.3	+3833.7	3786	9.3	194556.5	+3835.2
3517	9.1	191155.1	+3827.8	3607	9.4	192352.8	+3808.2	3697	9.5	193448.1	+3849.3	3787	9.1	194607.0	+3820.8
3518	6.7	191211.6	+3846.6	3608	9.2	192353.7	+3817.9	3698	9.4	193448.3	+3842.9	3788	9.2	194610.2	+3808.0
3519	9.5	191217.8	+3813.0	3609	9.0	192407.6	+3825.8	3699	9.3	193506.2	+3832.5	3789	9.0	194620.6	+3854.7
3520	6.7	191223.1	+3852.0	3610	9.5	192412.3	+3823.4	3700	9.5	193513.2	+3811.0	3790	8.9	194631.1	+3822.9
3521	9.5	191225.2	+3808.5	3611	9.5	192414.9	+3808.5	3701	9.5	193526.0	+3832.1	3791	9.0	194645.0	+3842.3
3522	8.1	191231.7	+3858.9	3612	9.0	192415.4	+3806.2	3702	9.5	193526.9	+3830.0	3792	9.4	194656.6	+3840.6
3523	9.5	191242.0	+3853.7	3613	9.2	192421.5	+3832.5	3703	9.5	193532.2	+3819.7	3793	9.5	194706.2	+3801.3
3524	9.5	191247.5	+3843.4	3614	9.1	192429.0	+3855.5	3704	9.5	193537.2	+3808.3	3794	8.9	194720.1	+3855.4
3525	8.7	191248.2	+3809.6	3615	9.4	192437.2	+3820.0	3705	9.4	193543.4	+3812.3	3795	9.5	194724.6	+3800.4
3526	8.3	191258.8	+3828.4	3616	9.5	192444.6	+3848.8	3706	9.4	193545.6	+3811.0	3796	8.2	194733.3	+3827.0
3527	8.4	191259.8	+3801.1	3617	9.3	192449.1	+3850.6	3707	9.4	193555.9	+3821.9	3797	9.0	194742.2	+3854.0
3528	9.1	191301.3	+3835.7	3618	9.5	192455.5	+3844.0	3708	9.2	193609.0	+3807.3	3798	8.0	194744.3	+3817.9
3529	9.5	191313.2	+3858.2	3619	9.5	192517.5	+3846.8	3709	9.1	193612.8	+3830.5	3799	9.5	194744.3	+3857.8
3530	9.5	191318.9	+3848.6	3620	9.0	192519.7	+3859.6	3710	8.3	193616.3	+3827.0	3800	9.3	194751.3	+3802.6
3531	9.4	191321.1	+3859.6	3621	8.8	192520.8	+3837.7	3711	7.9	193617.6	+3807.5	3801	8.0	194753.2	+3823.1
3532	9.3	191337.2	+3820.4	3622	9.2	192525.7	+3838.9	3712	8.8	193619.0	+3848.4	3802	9.0	194805.0	+3851.3
3533	9.5	191348.4	+3840.9	3623	9.2	192532.2	+3817.1	3713	9.0	193633.2	+3834.1	3803	9.5	194806.0	+3805.4
3534	9.0	191355.2	+3854.5	3624	9.5	192542.2	+3811.5	3714	9.3	193635.3	+3850.2	3804	9.5	194824.9	+3800.8
3535	9.0	191407.9	+3813.0	3625	9.3	192545.8	+3817.8	3715	9.3	193636.7	+3858.6	3805	9.5	194834.0	+3805.9
3536	9.5	191415.2	+3840.9	3626	9.0	192550.6	+3838.2	3716	9.5	193710.1	+3830.8	3806	9.5	194837.9	+3850.8
3537	9.5	191416.0	+3852.7	3627	9.5	192553.3	+3807.6	3717	9.5	193716.6	+3811.5	3807	9.4	194839.3	+3801.4
3538	8.3	191420.5	+3815.7	3628	9.5	192556.6	+3810.6	3718	9.5	193723.5	+3851.5	3808	9.5	194841.5	+3852.0
3539	9.5	191431.3	+3836.1	3629	9.5	192605.4	+3802.9	3719	9.4	193727.3	+3806.0	3809	8.2	194845.2	+3843.8
3540	9.4	191444.4	+3808.4	3630	9.4	192608.2	+3847.6	3720	9.4	193727.9	+3808.2	3810	8.2	194912.8	+3806.1
3541	9.4	191448.5	+3825.4	3631	9.4	192611.3	+3800.5	3721	9.5	193730.8	+3820.0	3811	9.5	194916.7	+3855.2
3542	9.5	191501.3	+3808.5	3632	7.5	192612.1	+3806.1	3722	8.8	193735.3	+3805.8	3812	9.3	194921.9	+3820.9
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3545	8.5	191529.2	+3809.3	3635	9.4	192635.0	+3856.0	3725	6.7	193804.5	+3819.5	3815	9.5	195028.8	+3843.6
3546	9.4	191530.9	+3830.5	3636	9.4	192649.3	+3803.9	3726	9.4	193808.3	+3816.0	3816	8.6	195036.4	+3813.5
3547	8.7	191538.3	+3854.7	3637	9.2	192649.8	+3810.1	3727	9.2	193820.8	+3834.5	3817	5.5	195041.3	+3806.2
3548	9.5	191551.5	+3845.0	3638	9.1	192654.7	+3801.9	3728	9.5	193826.7	+3814.0	3818	9.0	195056.5	+3821.9
3549	9.5	191552.3	+3842.0	3639	9.0	192658.5	+3830.3	3729	9.5	193828.3	+3817.0	3819	9.0	195058.2	+3835.2
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3552	9.5	191640.8	+3802.5	3642	9.4	192722.2	+3846.0	3732	9.2	193834.4	+3800.0	3822	9.4	195130.5	+3816.4
3553	9.5	191651.5	+3845.1	3643	9.5	192733.3	+3836.0	3733	8.8	193839.6	+3802.0	3823	9.0	195130.6	+3809.2
3554	9.0	191656.0	+3853.2	3644	9.7	192742.3	+3837.2	3734	9.5	193838.6	+3857.3	3824	9.5	195133.2	+3838.6
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4227	8.0	204034.4	+3817.7	4316	9.1	205552.5	+3820.8	4496	8.9	210823.4	+3859.7	4496	9.4	212031.0	+3846.3
4228	9.5	204053.6	+3843.6	4317	9.1	205553.3	+3859.1	4497	9.5	210827.1	+3804.7	4497	9.0	212036.9	+3831.2
4229	9.5	204058.3	+3855.9	4318	7.2	205616.0	+3841.2	4498	9.1	210834.2	+3831.4	4498	9.1	212048.3	+3810.5
4230	9.1	204113.8	+3838.6	4319	9.5	205627.9	+3839.5	4499	8.5	210842.8	+3838.6	4499	9.0	212050.4	+3818.7
4231	9.5	204115.4	+3814.4	4320	9.5	205645.7	+3856.1	4500	7.1	210849.2	+3809.4	4500	9.4	212058.1	+3856.9
4232	9.5	204123.0	+3856.8	4321	6.4	205647.7	+3855.8	4501	8.5	210856.9	+3839.3	4501	8.7	212113.7	+3842.7
4233	9.5	204141.2	+3823.8	4322	9.4	205709.6	+3825.1	4502	9.4	210857.5	+3823.2	4502	9.2	212124.8	+3834.8
4234	9.0	204154.4	+3816.4	4323	8.6	205712.9	+3800.1	4503	9.5	210904.9	+3853.6	4503	9.5	212126.4	+3812.6
4235	6.7	204231.6	+3845.4	4324	9.4	205716.8	+3832.9	4504	9.3	210906.4	+3824.7	4504	9.0	212217.4	+3851.1
4236	9.5	204231.7	+3805.6	4325	6.0	205728.1	+3805.0	4505	8.8	210910.1	+3852.8	4505	9.5	212253.2	+3840.8
4237	9.5	204312.6	+3810.4	4326	9.5	205748.3	+3854.1	4506	9.5	210912.3	+3815.1	4506	9.5	212254.8	+3843.0
4238	9.3	204315.8	+3803.5	4327	9.5	205759.1	+3806.8	4507	9.4	210929.0	+3802.7	4507	9.5	212301.2	+3832.7
4239	7.7	204330.3	+3820.0	4328	9.5	205801.1	+3846.3	4508	9.4	210930.1	+3846.7	4508	9.5	212314.3	+3824.5
4240	7.9	204340.6	+3845.1	4329	9.5	205805.2	+3823.2	4509	9.3	210936.5	+3820.8	4509	8.3	212335.4	+3801.1
4241	9.1	204349.8	+3856.5	4330	9.4	205808.7	+3831.2	4510	9.2	210954.0	+3841.3	4510	9.4	212339.0	+3859.0
4242	9.5	204404.5	+3812.1	4331	9.3	205827.5	+3818.6	4511	9.5	210956.9	+3838.8	4511	9.5	212357.4	+3825.3
4243	9.4	204404.8	+3818.8	4332	9.2	205840.0	+3843.8	4512	9.5	211006.6	+3802.6	4512	9.1	212429.9	+3820.6
4244	8.4	204416.5	+3801.0	4333	9.4	205903.8	+3833.2	4513	9.2	211021.2	+3801.8	4513	9.2	212444.9	+3808.5
4245	9.4	204417.2	+3804.0	4334	9.5	205906.0	+3822.6	4514	9.5	211030.8	+3837.2	4514	9.5	212454.6	+3854.7
4246	9.1	204443.7	+3839.8	4335	9.0	205915.1	+3846.8	4515	9.5	211031.5	+3831.1	4515	9.5	212502.4	+3833.5
4247	9.5	204452.5	+3800.7	4336	8.8	205915.2	+3810.5	4516	9.4	211037.4	+3819.5	4516	9.5	212503.6	+3825.8
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4249	9.0	204524.3	+3853.3	4338	9.4	205927.9	+3839.5	4518	9.1	211047.5	+3820.5	4518	8.0	212521.1	+3807.6
4250	9.4	204533.6	+3809.6	4339	8.9	205958.9	+3836.9	4519	9.5	211047.6	+3804.4	4519	7.8	212550.4	+3829.3
4251	9.2	204538.6	+3845.9	4340	9.1	210009.8	+3854.2	4520	9.5	211055.1	+3805.1	4520	9.5	212550.8	+3812.5
4252	9.5	204539.3	+3819.0	4341	8.2	210016.0	+3844.8	4521	9.5	211143.6	+3847.3	4521	8.9	212620.6	+3803.4
4253	9.5	204543.4	+3817.5	4342	9.5	210020.1	+3806.8	4522	9.5	211153.8	+3836.1	4522	9.5	212621.3	+3810.4
4254	8.0	204558.2	+3850.8	4343	5.0	210024.5	+3802.5	4523	9.8	211158.3	+3815.1	4523	9.5	212622.3	+3853.8
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4261	9.4	204715.1	+3822.5	4350	9.5	210059.4	+3818.4	4530	8.9	211252.4	+3819.5	4530	9.1	212745.0	+3840.1
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4268	9.5	204845.1	+3825.4	4357	9.3	210209.6	+3848.7	4537	9.5	211346.4	+3847.5	4537	9.1	212838.1	+3813.7
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4272	9.2	204913.6	+3807.3	4361	9.5	210310.5	+3831.8	4541	9.5	211411.8	+3818.2	4541	9.5	212901.5	+3848.6
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4274	9.5	204918.2	+3859.1	4363	9.1	210329.2	+3810.4	4543	9.5	211424.8	+3832.9	4543	8.8	212914.6	+3834.1
4275	9.5	204921.4	+3817.8	4364	9.0	210342.0	+3843.2	4544	8.5	211427.3	+3804.7	4544	9.5	212918.1	+3856.6
4276	9.1	204927.7	+3841.1	4365	9.3	210342.3	+3835.8	4545	9.0	211429.9	+3802.4	4545	9.1	212918.3	+3800.0
4277	8.0	204933.7	+3839.6	4366	9.3	210401.8	+3836.0	4546	9.5	211439.1	+3846.2	4546	9.5	212942.4	+3812.5
4278	9.5	204944.4	+3850.1	4367	9.0	210405.5	+3820.9	4547	9.0	211450.1	+3814.6	4547	9.5	213000.7	+3846.7
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4280	9.4	204951.7	+3807.1	4369	9.3	210447.2	+3815.8	4549	9.4	211510.1	+3826.1	4549	9.5	213015.6	+3840.8
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1296	9.3	53320.4	+3715.7	1386	9.2	55126.9	+3735.8	1475	9.0	60929.9	+3732.6	1565	7.8	63232.6	+3714.4
1297	9.4	53343.1	+3718.4	1387	9.5	55152.5	+3740.0	1476	9.2	60933.4	+3721.1	1566	8.5	63233.2	+3750.8
1298	9.5	53355.0	+3742.6	1388	9.2	55158.0	+3738.3	1477	9.0	61003.5	+3715.3	1567	6.5	63323.4	+3716.8
1299	9.5	53415.5	+3718.9	1389	8.6	55215.3	+3743.5	1478	8.4	61010.3	+3714.1	1568	8.0	63339.5	+3709.1
1300	9.5	53418.9	+3755.7	1390	9.2	55224.0	+3718.0	1479	9.5	61013.2	+3716.8	1569	9.3	63411.4	+3744.7
1301	9.5	53427.9	+3758.3	1391	8.9	55252.8	+3730.6	1480	9.2	61013.7	+3710.8	1570	9.0	63420.9	+3721.6
1302	9.5	53433.5	+3713.2	1392	9.5	55258.6	+3738.6	1481	9.5	61015.2	+3725.5	1571	7.8	63423.1	+3708.2
1303	9.5	53441.5	+3718.5	1393	9.5	55314.7	+3737.0	1482	9.3	61017.9	+3731.0	1572	9.2	63427.8	+3705.7
1304	9.2	53442.7	+3707.2	1394	9.5	55329.9	+3728.7	1483	9.1	61037.9	+3745.2	1573	9.5	63437.9	+3712.5
1305	9.5	53454.9	+3740.0	1395	9.4	55350.0	+3729.8	1484	9.5	61107.5	+3751.6	1574	9.0	63462.4	+3739.0
1306	8.3	53457.1	+3730.6	1396	9.5	55351.2	+3759.7	1485	8.9	61108.8	+3725.2	1575	9.5	63502.5	+3722.9
1307	9.2	53456.2	+3733.8	1397	9.5	55351.2	+3718.7	1486	7.8	61114.5	+3759.9	1576	9.1	63523.5	+3722.9
1308	7.1	53453.1	+3735.5	1398	9.3	55409.4	+3703.5	1487	9.5	61149.4	+3703.5	1577	8.5	63550.9	+3737.3
1309	9.5	53458.5	+3744.4	1399	9.0	55412.2	+3711.2	1488	9.1	61151.4	+3730.5	1578	8.2	63553.3	+3755.1
1310	8.8	53458.9	+3721.7	1400	9.3	55415.7	+3717.4	1489	9.0	61159.5	+3720.9	1579	8.5	63561.7	+3725.8
1311	9.5	53602.3	+3737.3	1401	9.1	55415.9	+3720.0	1490	9.5	61213.0	+3709.8	1580	8.3	63621.4	+3746.3
1312	7.1	53603.5	+3714.3	1402	9.5	55421.3	+3759.7	1491	9.5	61219.7	+3707.2	1581	8.6	63628.9	+3724.4
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+37 1979 9h15m

1979	9.3	91544.0	+3719.5	2069	9.4	101139.5	+3732.4	2159	9.3	110039.2	+3710.9	2249	8.9	115916.4	+3735.1
1980	9.5	91617.3	+3757.7	2070	9.1	101314.0	+3715.6	2160	9.5	110052.0	+3744.0	2250	8.5	115957.7	+3749.5
1981	8.5	91619.1	+3752.1	2071	9.5	101429.4	+3733.4	2161	9.3	110103.9	+3716.2	2251	9.5	120022.0	+3713.8
1982	8.4	91627.5	+3706.5	2072	9.3	101439.3	+3706.0	2162	5.9	110120.0	+3706.5	2252	9.2	120028.3	+3751.0
1983	9.5	91736.1	+3730.7	2073	9.5	101540.4	+3732.9	2163	9.5	110132.4	+3730.9	2253	9.1	120327.4	+3757.7
1984	7.3	91743.5	+3705.8	2074	9.3	101623.2	+3732.5	2164	9.5	110246.7	+3702.6	2254	8.5	120451.9	+3747.3
1985	9.5	91808.4	+3708.6	2075	8.5	101657.3	+3746.8	2165	9.5	110246.8	+3746.7	2255	8.2	120511.6	+3704.8
1986	9.2	91813.1	+3753.1	2076	8.8	101705.9	+3731.1	2166	9.4	110352.4	+3754.1	2256	9.3	120613.0	+3738.4
1987	9.0	91820.1	+3706.1	2077	9.5	101749.5	+3711.2	2167	7.3	110416.7	+3740.8	2257	8.3	120626.4	+3732.8
1988	9.4	91821.6	+3706.8	2078	8.3	101837.0	+3709.6	2168	9.5	110444.3	+3739.7	2258	9.2	120640.8	+3743.2
1989	8.9	91959.9	+3717.7	2079	9.2	101902.4	+3750.9	2169	9.2	110535.1	+3754.6	2259	9.4	120644.3	+3744.6
1990	9.5	92040.8	+3748.4	2080	4.0	101928.9	+3726.4	2170	9.0	110750.6	+3710.5	2260	9.5	120648.5	+3756.7
1991	9.4	92121.1	+3732.6	2081	9.5	101945.1	+3709.8	2171	9.1	110807.3	+3743.2	2261	8.9	120803.4	+3749.7
1992	6.8	92247.6	+3704.5	2082	8.6	102017.0	+3730.9	2172	8.5	111004.7	+3740.8	2262	9.5	120822.3	+3708.4
1993	8.8	92259.8	+3748.0	2083	9.0	102042.9	+3755.8	2173	9.0	111114.0	+3710.5	2263	9.4	121043.0	+3741.7
1994	9.5	92309.9	+3744.6	2084	9.2	102103.3	+3728.4	2174	9.1	111342.7	+3734.3	2264	9.3	121128.9	+3747.3
1995	8.2	92328.6	+3754.0	2085	9.4	102120.0	+3733.9	2175	9.0	111402.9	+3729.8	2265	9.3	121317.9	+3756.9
1996	9.2	92416.5	+3701.9	2086	9.2	102152.3	+3721.0	2176	9.0	111413.4	+3753.3	2266	9.3	121413.0	+3735.1
1997	8.0	92420.4	+3717.8	2087	8.0	102210.8	+3746.6	2177	9.0	111413.9	+3752.9	2267	9.4	121425.9	+3714.1
1998	6.8	92436.0	+3707.8	2088	7.0	102213.9	+3700.3	2178	8.7	111649.6	+3750.7	2268	9.5	121426.7	+3750.3
1999	9.0	92449.6	+3759.5	2089	9.1	102227.3	+3713.2	2179	8.5	111742.6	+3738.3	2269	9.5	121526.4	+3753.8
2000	9.1	92451.8	+3712.1	2090	9.0	102250.2	+3752.9	2180	9.4	112001.9	+3719.4	2270	9.3	121619.0	+3727.6
2001	9.3	92457.5	+3736.6	2091	8.9	102300.2	+3720.2	2181	8.5	112022.9	+3707.0	2271	9.0	121656.5	+3708.4
2002	9.3	92458.5	+3717.6	2092	9.5	102316.0	+3741.2	2182	8.2	112129.5	+3741.8	2272	9.5	121657.4	+3749.0
2003	8.4	92508.1	+3704.5	2093	9.3	102331.4	+3751.8	2183	9.5	112210.7	+3754.0	2273	9.0	121802.9	+3706.6
2004	4.8	92519.6	+3702.8	2094	9.1	102421.4	+3708.4	2184	9.3	112224.3	+3723.2	2274	9.4	121836.1	+3744.5
2005	9.0	92611.8	+3736.7	2095	9.0	102509.1	+3720.8	2185	9.3	112230.6	+3727.2	2275	9.5	121859.7	+3709.7
2006	9.0	92630.5	+3731.6	2096	9.5	102522.1	+3721.4	2186	9.4	112237.3	+3725.7	2276	7.8	121917.3	+3754.4
2007	9.1	92640.6	+3731.6	2097	9.4	102546.9	+3701.4	2187	9.4	112241.3	+3710.7	2277	9.5	121937.4	+3735.0
2008	9.3	92853.1	+3700.2	2098	9.0	102725.0	+3700.9	2188	9.5	112241.8	+3729.6	2278	7.1	122002.7	+3710.2
2009	8.8	92856.1	+3715.5	2099	8.1	102735.7	+3741.0	2189	9.4	112306.2	+3735.1	2279	8.7	122101.4	+3729.1
2010	9.5	92954.0	+3751.1	2100	6.3	102802.0	+3704.8	2190	8.0	112326.4	+3702.4	2280	9.3	122109.8	+3740.0
2011	9.1	93044.6	+3724.3	2101	9.5	102838.0	+3723.9	2191	9.5	112355.4	+3754.0	2281	9.1	122114.1	+3759.4
2012	9.5	93216.3	+3746.5	2102	8.2	102845.4	+3757.7	2192	6.5	112427.8	+3702.3	2282	9.1	122154.2	+3712.9
2013	7.3	93254.1	+3725.0	2103	9.5	102848.0	+3717.4	2193	8.3	112543.6	+3733.6	2283	9.2	122231.5	+3712.0
2014	9.5	93319.5	+3723.8	2104	8.9	102946.1	+3713.0	2194	9.5	112552.0	+3750.0	2284	8.5	122316.7	+3752.7
2015	9.3	93401.6	+3737.5	2105	9.5	102952.5	+3756.3	2195	7.2	112613.6	+3737.6	2285	9.5	122328.8	+3726.7
2016	7.5	93412.8	+3747.5	2106	9.3	103021.2	+3751.8	2196	9.5	112639.5	+3742.0	2286	9.4	122337.8	+3727.7
2017	9.5	93426.2	+3704.7	2107	9.3	103021.8	+3719.9	2197	9.5	112758.2	+3718.2	2287	9.5	122450.9	+3722.1
2018	9.5	93620.3	+3705.8	2108	9.2	103041.0	+3758.1	2198	9.5	112914.6	+3742.5	2288	9.3	122522.3	+3720.0
2019	8.5	93850.8	+3758.1	2109	8.8	103118.3	+3717.0	2199	9.3	112918.8	+3756.0	2289	8.3	122523.9	+3751.8
2020	9.2	93936.1	+3712.2	2110	9.0	103313.1	+3749.7	2200	8.1	112933.1	+3701.2	2290	9.3	122554.0	+3723.0
2021	8.0	94023.5	+3725.6	2111	9.2	103329.6	+3759.3	2201	9.5	113001.8	+3745.1	2291	9.5	122605.3	+3706.3
2022	6.3	94040.6	+3725.6	2112	8.3	103409.1	+3717.4	2202	9.5	113007.5	+3711.8	2292	9.2	122633.8	+3702.4
2023	7.2	94225.3	+3710.1	2113	8.9	103414.0	+3749.8	2203	9.5	113013.7	+3703.9	2293	8.2	122736.9	+3706.5
2024	9.1	94240.8	+3700.4	2114	9.5	103432.0	+3754.7	2204	9.5	113220.8	+3716.7	2294	9.1	122746.6	+3719.2
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2031	9.1	95014.8	+3748.1	2121	9.0	104016.7	+3759.8	2211	9.1	113728.8	+3749.0	2301	9.5	122954.8	+3723.5
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2699	9.5	155637.2	+3750.8	2789	9.5	163522.6	+3704.1	2878	4.0	171840.5	+3717.0	2967	9.0	174746.0	+3713.5
2700	9.5	155622.2	+3727.3	2790	9.3	163600.5	+3714.2	2879	8.7	171856.5	+3725.6	2968	8.5	174757.7	+3742.9
2701	9.5	155708.5	+3705.0	2791	9.5	163639.7	+3759.0	2880	8.9	171909.2	+3746.4	2969	8.3	174801.5	+3736.7
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2716	9.4	160227.9	+3704.8	2806	9.2	164337.1	+3737.8	2895	9.5	172341.7	+3716.0	2984	9.4	175131.6	+3725.5
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2754	9.4	162214.4	+3729.0	2843	8.8	170049.7	+3748.4	2932	9.1	173736.5	+3759.1	3022	9.3	180225.4	+3701.8
2755	9.1	162315.2	+3743.2	2844	9.5	170055.4	+3725.1	2933	9.5	173806.3	+3747.0	3023	9.0	180235.0	+3729.5
2756	9.5	162329.1	+3732.8	2845	9.3	170055.7	+3704.5	2934	7.5	173807.2	+3738.4	3024	9.5	180240.7	+3748.0
2757	9.4	162347.0	+3732.8	2846	9.5	170158.8	+3723.1	2935	9.0	173907.7	+3737.1	3025	8.8	180302.0	+3702.9
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2767	9.5	162731.4	+3747.5	2856	8.9	170707.5	+3756.5	2945	9.5	174204.5	+3753.2	3035	9.5	180525.3	+3724.8
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3420	9.2	191537.6	+3712.7	3510	9.5	192858.1	+3718.5	3600	8.2	194106.1	+3718.7	3690	9.5	195140.5	+3753.6
3421	9.5	191544.2	+3723.5	3511	9.5	192922.1	+3704.4	3601	8.9	194107.8	+3706.7	3691	9.2	195149.6	+3735.3
3422	9.1	191546.9	+3706.6	3512	9.2	192937.0	+3714.0	3602	9.2	194108.2	+3753.8	3692	9.4	195203.3	+3707.8
3423	9.4	191555.3	+3724.7	3513	9.4	192939.4	+3740.9	3603	8.7	194111.2	+3753.7	3693	8.8	195220.6	+3752.8
3424	9.3	191604.7	+3740.0	3514	9.1	192939.5	+3732.0	3604	9.0	194126.1	+3707.4	3694	9.5	195222.3	+3708.3
3425	9.3	191614.0	+3715.8	3515	9.3	192954.0	+3713.7	3605	9.4	194134.1	+3755.0	3695	9.0	195228.5	+3731.6
3426	9.4	191643.7	+3741.2	3516	9.3	192955.6	+3736.2	3606	9.4	194136.6	+3757.5	3696	9.1	195236.3	+3756.0
3427	9.0	191649.9	+3718.2	3517	9.5	193010.1	+3754.4	3607	9.5	194151.8	+3726.1	3697	9.5	195237.0	+3750.6
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3431	8.9	191731.2	+3703.7	3521	9.4	193054.8	+3759.2	3611	9.5	194233.0	+3748.4	3701	9.3	195256.9	+3712.3
3432	6.7	191735.1	+3718.5	3522	9.3	193058.0	+3754.1	3612	9.2	194242.2	+3718.7	3702	9.5	195309.6	+3726.8
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3436	9.5	191827.2	+3723.5	3526	9.2	193139.1	+3718.7	3616	7.5	194300.2	+3722.1	3706	8.8	195333.8	+3758.3
3437	9.5	191837.6	+3753.6	3527	9.4	193140.6	+3706.9	3617	9.5	194303.3	+3704.7	3707	9.4	195334.7	+3759.4
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3459	9.5	192123.4	+3744.8	3549	8.5	193419.2	+3721.2	3639	8.8	194554.2	+3722.7	3729	9.5	195639.2	+3730.2
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3465	6.4	192231.7	+3738.9	3555	9.5	193451.1	+3719.0	3645	9.1	194614.5	+3720.6	3735	7.0	195729.5	+3725.0
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1012	9.0	45826.1	+3648.0	1102	9.0	51247.6	+3609.7	1191	8.1	52602.6	+3655.9	1281	9.3	54328.8	+3620.1
1013	9.5	45838.4	+3601.6	1103	9.7	51250.7	+3612.9	1192	8.3	52605.4	+3600.6	1282	9.3	54345.2	+3633.0
1014	9.4	45856.6	+3613.3	1104	8.0	51251.0	+3624.3	1193	9.1	52613.0	+3608.4	1283	6.9	54351.0	+3605.3
1015	9.5	45859.7	+3654.7	1105	9.1	51301.9	+3635.2	1194	8.8	52621.2	+3632.5	1284	9.5	54402.1	+3638.2
1016	9.3	45914.1	+3628.3	1106	9.3	51305.5	+3647.1	1195	8.7	52623.1	+3631.0	1285	9.4	54406.5	+3611.5
1017	9.4	45918.0	+3612.7	1107	9.5	51310.7	+3624.8	1196	8.3	52624.6	+3608.8	1286	9.4	54408.0	+3607.1
1018	9.5	45922.9	+3623.6	1108	9.4	51311.0	+3610.2	1197	9.4	52635.4	+3608.2	1287	9.4	54410.4	+3652.5
1019	9.5	45945.6	+3602.3	1109	9.5	51336.5	+3630.7	1198	8.5	52637.8	+3617.6	1288	9.4	54418.8	+3655.7
1020	9.5	45946.6	+3650.8	1110	9.5	51341.2	+3619.9	1199	9.3	52645.3	+3639.2	1289	9.4	54420.6	+3611.7
1021	7.8	50009.9	+3648.8	1111	9.4	51348.9	+3610.0	1200	8.8	52657.5	+3601.2	1290	8.3	54437.1	+3629.3
1022	9.4	50009.7	+3656.4	1112	8.7	51355.3	+3637.9	1201	9.3	52658.0	+3602.6	1291	8.5	54454.9	+3620.4
1023	9.0	50011.0	+3606.3	1113	6.8	51405.7	+3615.1	1202	8.1	52713.9	+3657.2	1292	9.3	54504.0	+3647.3
1024	9.3	50018.2	+3604.6	1114	9.5	51406.4	+3642.3	1203	9.4	52728.3	+3636.9	1293	7.3	54505.7	+3613.0
1025	8.2	50024.8	+3620.2	1115	9.4	51423.3	+3650.3	1204	7.7	52742.4	+3659.7	1294	9.5	54509.8	+3624.1
1026	8.5	50046.2	+3639.6	1116	9.5	51429.7	+3653.7	1205	9.5	52805.7	+3640.2	1295	9.5	54528.4	+3630.4
1027	8.4	50051.9	+3634.9	1117	9.5	51432.4	+3603.1	1206	9.4	52827.2	+3601.5	1296	8.8	54533.5	+3645.6
1028	9.0	50100.6	+3610.2	1118	9.4	51432.5	+3605.3	1207	9.2	52827.4	+3602.3	1297	9.1	54557.9	+3633.2
1029	9.5	50101.0	+3657.0	1119	9.2	51438.0	+3605.6	1208	9.5	52830.0	+3641.6	1298	7.3	54600.8	+3654.1
1030	9.0	50104.6	+3600.0	1120	9.5	51440.7	+3617.9	1209	9.5	52834.5	+3650.9	1299	9.4	54604.0	+3621.5
1031	9.5	50105.2	+3612.5	1121	9.5	51453.9	+3639.9	1210	9.5	52837.9	+3637.5	1300	9.5	54612.9	+3623.1
1032	9.4	50108.3	+3615.4	1122	6.8	51459.4	+3603.6	1211	9.5	52839.8	+3622.9	1301	9.1	54626.5	+3607.0
1033	9.5	50121.9	+3611.7	1123	9.1	51503.7	+3654.7	1212	9.2	52839.9	+3656.8	1302	7.5	54634.7	+3651.2
1034	9.3	50204.0	+3606.6	1124	9.1	51504.3	+3655.7	1213	9.5	52840.2	+3640.1	1303	9.5	54639.4	+3642.1
1035	9.0	50204.5	+3616.4	1125	9.5	51509.4	+3609.2	1214	9.5	52841.5	+3655.2	1304	8.5	54653.6	+3628.6
1036	9.5	50210.4	+3615.4	1126	9.4	51523.5	+3645.8	1215	8.9	52901.4	+3604.3	1305	9.5	54658.0	+3606.6
1037	9.2	50210.4	+3611.0	1127	9.5	51530.0	+3625.8	1216	9.3	52902.3	+3659.0	1306	9.5	54710.4	+3628.2
1038	9.3	50216.9	+3611.9	1128	9.5	51536.0	+3625.3	1217	9.3	52920.0	+3637.9	1307	8.8	54720.3	+3646.3
1039	9.4	50235.2	+3631.5	1129	9.5	51540.3	+3636.7	1218	9.2	52935.9	+3623.6	1308	8.3	54723.4	+3621.6
1040	9.2	50253.5	+3641.4	1130	9.5	51546.8	+3658.7	1219	9.3	52936.4	+3625.6	1309	9.5	54800.4	+3626.6
1041	9.4	50325.0	+3621.6	1131	9.5	51600.1	+3655.0	1220	9.5	52938.9	+3632.0	1310	9.5	54809.4	+3602.1
1042	9.3	50331.5	+3641.1	1132	9.1	51611.3	+3619.2	1221	9.1	52945.4	+3640.1	1311	9.4	54813.7	+3603.2
1043	9.4	50332.6	+3635.5	1133	9.5	51622.6	+3649.9	1222	9.5	52959.6	+3605.0	1312	9.1	54815.0	+3643.9
1044	9.5	50337.5	+3650.3	1134	9.5	51630.4	+3642.9	1223	9.5	53030.9	+3654.2	1313	9.5	54817.3	+3612.1
1045	9.0	50337.5	+3604.6	1135	9.5	51635.8	+3650.3	1224	9.3	53040.1	+3638.2	1314	9.2	54817.5	+3644.1
1046	9.5	50356.3	+3633.0	1136	9.7	51640.5	+3601.6	1225	9.4	53047.6	+3607.6	1315	9.5	54831.7	+3609.4
1047	7.0	50401.6	+3651.3	1137	9.7	51657.4	+3603.8	1226	9.5	53053.0	+3641.8	1316	8.5	54845.1	+3621.0
1048	9.5	50413.7	+3654.2	1138	9.5	51704.1	+3658.5	1227	9.5	53057.4	+3622.1	1317	9.2	54903.9	+3614.5
1049	7.7	50415.5	+3644.6	1138a	30.0	51706.8	+3645.3	1228	9.5	53137.1	+3658.7	1318	8.9	54906.3	+3629.5
1050	9.3	50432.0	+3606.3	1139	9.4	51711.5	+3625.1	1229	8.7	53144.9	+3621.9	1319	9.5	54908.1	+3653.0
1051	9.5	50432.5	+3638.4	1140	8.8	51721.9	+3622.6	1230	9.2	53145.8	+3636.5	1320	9.5	54931.8	+3619.7
1052	9.4	50447.9	+3620.4	1141	8.9	51740.0	+3642.6	1231	9.3	53228.6	+3649.5	1321	9.5	54941.3	+3608.7
1053	9.5	50448.0	+3656.3	1142	9.5	51753.7	+3655.0	1232	9.4	53239.7	+3643.1	1322	7.9	54948.9	+3648.8
1054	9.5	50448.4	+3623.6	1143	9.5	51753.8	+3608.3	1233	8.0	53244.7	+3607.2	1323	9.5	54951.8	+3640.4
1055	9.5	50513.8	+3619.0	1144	9.2	51801.0	+3624.6	1234	9.3	53250.9	+3612.7	1324	8.5	55000.5	+3601.7
1056	9.2	50518.7	+3619.2	1145	9.2	51813.9	+3658.1	1235	9.2	53254.6	+3605.2	1325	9.2	55008.4	+3658.5
1057	9.4	50534.0	+3638.7	1146	9.5	51818.5	+3646.3	1236	8.3	53255.3	+3604.4	1326	9.5	55028.4	+3642.5
1058	9.5	50545.5	+3625.8	1147	9.2	51819.2	+3653.2	1237	9.3	53259.5	+3645.8	1327	9.1	55041.1	+3651.4
1059	9.5	50604.2	+3618.6	1148	9.5	51826.3	+3638.3	1238	9.5	53331.2	+3609.2	1328	9.5	55113.2	+3636.0
1060	8.8	50605.7	+3633.0	1149	8.8	51841.3	+3638.2	1239	8.8	53344.8	+3619.3	1329	9.4	55115.2	+3638.1
1061	9.5	50614.6	+3623.6	1150	9.3	51857.2	+3634.7	1240	9.2	53401.1	+3651.2	1330	9.5	55119.4	+3603.7
1062	9.0	50622.5	+3647.6	1151	9.4	51913.8	+3638.9	1241	9.5	53411.0	+3630.2	1331	9.5	55134.4	+3634.0
1063	9.5	50638.0	+3607.4	1152	8										

+36 1347 5h54m

+36 1706 7h44m

1347 9.5 55457.6 +3646.1	1437 9.1 61821.8 +3627.8	1527 9.5 64614.7 +3614.4	1617 9.5 71337.2 +3634.8
1348 9.0 55533.6 +3622.3	1438 9.2 61825.5 +3651.8	1528 8.5 64621.8 +3654.8	1618 9.5 71337.8 +3646.7
1349 8.8 55553.8 +3656.2	1439 8.4 61823.8 +3608.5	1529 9.1 64633.7 +3606.7	1619 9.4 71416.2 +3610.8
1350 9.5 55557.5 +3610.5	1440 9.5 61841.0 +3643.7	1530 9.3 64637.7 +3612.9	1620 9.3 71433.4 +3626.7
1351 9.5 55601.4 +3606.2	1441 9.0 61845.8 +3634.9	1531 9.3 64646.6 +3622.6	1621 7.5 71437.5 +3635.2
1352 8.7 55603.9 +3627.8	1442 7.4 61901.4 +3634.9	1532 9.2 64700.3 +3645.8	1622 9.5 71606.7 +3624.8
1353 9.1 55613.5 +3601.6	1443 9.5 61924.3 +3632.2	1533 9.3 64712.0 +3640.8	1623 9.4 71709.1 +3636.3
1354 9.3 55620.0 +3635.4	1444 9.5 61941.6 +3609.2	1534 9.4 64732.7 +3638.5	1624 9.5 71714.2 +3658.5
1355 9.4 55624.0 +3602.1	1445 9.4 61954.0 +3603.7	1535 9.5 64846.3 +3610.7	1625 9.5 71745.4 +3604.2
1356 9.0 55624.6 +3637.8	1446 8.0 61957.1 +3642.0	1536 9.5 64858.5 +3649.1	1626 9.5 71757.6 +3645.3
1357 9.0 55635.8 +3622.2	1447 9.3 62016.8 +3637.9	1537 9.5 64916.2 +3614.6	1627 9.4 71800.4 +3604.0
1358 9.3 55717.7 +3622.5	1448 9.0 62054.4 +3655.9	1538 9.5 64917.9 +3604.6	1628 9.5 71826.8 +3602.9
1359 9.4 55729.7 +3632.7	1449 9.2 62105.2 +3627.3	1539 8.7 64925.3 +3658.6	1629 9.5 71831.6 +3643.8
1360 6.8 55738.8 +3616.1	1450 8.8 62156.8 +3623.8	1540 9.3 64946.8 +3602.2	1630 9.2 71852.6 +3624.9
1361 8.7 55752.5 +3637.6	1451 8.9 62211.5 +3608.8	1541 9.4 64958.5 +3646.0	1631 9.2 71854.9 +3655.5
1362 9.4 55754.8 +3642.8	1452 7.8 62213.9 +3642.3	1542 9.5 65012.0 +3648.0	1632 9.5 71931.3 +3621.5
1363 9.3 55803.2 +3614.4	1453 8.9 62228.8 +3627.9	1543 9.5 65016.9 +3642.7	1633 9.3 72009.2 +3637.8
1364 7.4 55808.1 +3604.6	1454 9.3 62251.9 +3606.2	1544 9.2 65042.5 +3641.0	1634 9.5 72032.6 +3654.7
1365 9.3 55848.5 +3624.6	1455 9.5 62315.9 +3601.7	1545 9.1 65053.5 +3658.6	1635 9.2 72035.9 +3609.3
1366 9.5 55853.5 +3632.2	1456 9.5 62341.8 +3650.1	1546 9.5 65112.1 +3657.5	1636 9.1 72148.0 +3623.8
1367 7.7 55904.5 +3641.4	1457 9.5 62405.8 +3632.7	1547 9.5 65126.7 +3633.5	1637 9.5 72149.5 +3635.7
1368 9.5 55921.7 +3605.3	1458 8.8 62407.0 +3641.1	1548 9.1 65132.6 +3602.5	1638 9.5 72222.4 +3631.7
1369 9.0 55927.5 +3653.7	1459 9.4 62425.9 +3649.6	1549 9.1 65133.5 +3625.8	1639 8.4 72226.7 +3650.4
1370 9.5 55930.2 +3619.0	1460 9.5 62431.2 +3623.1	1550 9.5 65256.6 +3604.5	1640 9.5 72236.6 +3602.0
1371 9.0 55952.7 +3612.2	1461 9.5 62500.0 +3649.6	1551 9.0 65307.2 +3643.6	1641 8.1 72238.8 +3626.8
1372 9.2 55956.1 +3602.5	1462 9.3 62514.4 +3635.1	1552 9.3 65336.1 +3627.3	1642 9.4 72250.4 +3636.8
1373 9.5 60035.3 +3648.3	1463 9.5 62602.5 +3627.7	1553 9.5 65343.4 +3646.1	1643 9.2 72252.1 +3601.0
1374 9.5 60039.1 +3617.6	1464 9.1 62628.6 +3635.4	1554 9.3 65344.9 +3635.7	1644 9.5 72321.6 +3606.8
1375 9.1 60041.8 +3647.3	1465 8.6 62632.9 +3657.0	1555 7.0 65420.3 +3631.1	1645 7.9 72344.5 +3606.3
1376 9.5 60056.1 +3650.3	1466 8.9 62651.8 +3653.2	1556 9.1 65440.3 +3603.9	1646 9.0 72411.8 +3618.1
1377 9.5 60105.8 +3619.1	1467 9.3 62658.2 +3611.1	1557 7.8 65500.0 +3649.0	1647 9.5 72457.7 +3606.0
1378 9.5 60135.4 +3657.1	1468 8.8 62716.4 +3641.8	1558 9.5 65520.3 +3632.1	1648 9.5 72524.0 +3621.7
1379 9.5 60144.5 +3603.8	1469 9.3 62731.3 +3628.6	1559 9.1 65541.5 +3633.6	1649 9.5 72540.8 +3619.1
1380 8.5 60228.2 +3609.6	1470 9.1 62809.8 +3613.1	1560 9.4 65559.9 +3604.2	1650 9.5 72553.9 +3616.6
1381 9.5 60237.1 +3646.5	1471 8.2 62932.4 +3647.7	1561 9.5 65607.0 +3622.6	1651 9.4 72614.8 +3607.7
1382 9.4 60247.8 +3601.1	1472 8.8 62949.9 +3640.4	1562 8.8 65610.8 +3615.7	1652 9.4 72620.0 +3626.3
1383 9.5 60303.0 +3648.8	1473 9.3 63005.0 +3638.4	1563 7.4 65613.8 +3646.6	1653 8.8 72703.9 +3614.8
1384 9.5 60309.5 +3618.1	1474 9.3 63044.8 +3611.7	1564 9.3 65704.3 +3659.9	1654 9.3 72707.4 +3627.4
1385 8.5 60401.3 +3638.7	1475 9.5 63052.1 +3611.0	1565 9.3 65705.5 +3604.5	1655 9.5 72747.3 +3620.7
1386 9.2 60438.8 +3632.5	1476 9.5 63108.4 +3652.5	1566 9.5 65721.7 +3622.2	1656 9.5 72810.1 +3630.0
1387 9.0 60535.5 +3623.4	1477 9.2 63113.5 +3641.5	1567 8.3 65821.8 +3605.2	1657 9.2 72821.5 +3650.6
1388 6.6 60553.3 +3611.5	1478 9.3 63125.5 +3617.3	1568 9.5 65834.1 +3630.3	1658 9.4 72833.0 +3651.5
1389 9.3 60615.2 +3612.4	1479 9.5 63126.7 +3636.9	1569 8.4 65910.8 +3607.3	1659 8.7 72935.2 +3610.5
1390 9.3 60657.9 +3600.3	1480 8.7 63138.9 +3610.6	1570 9.4 65917.1 +3657.3	1660 9.5 73008.4 +3617.5
1391 9.1 60707.9 +3623.5	1481 9.4 63149.5 +3613.8	1571 6.8 65942.0 +3648.6	1661 9.4 73018.5 +3603.8
1392 9.4 60728.4 +3605.8	1482 6.5 63155.3 +3604.7	1572 8.8 70017.5 +3604.3	1662 9.2 73037.6 +3637.2
1393 9.1 60730.5 +3656.0	1483 9.0 63226.1 +3632.8	1573 9.5 70051.0 +3648.9	1663 9.5 73101.2 +3604.9
1394 9.4 60732.0 +3613.0	1484 8.9 63245.9 +3621.0	1574 9.0 70052.7 +3617.7	1664 9.2 73152.0 +3617.1
1395 9.1 60734.1 +3621.3	1485 8.8 63257.3 +3645.0	1575 9.2 70107.6 +3646.8	1665 9.1 73157.8 +3640.5
1396 9.2 60738.1 +3625.5	1486 8.5 63310.3 +3618.3	1576 9.0 70108.9 +3650.4	1666 9.5 73227.6 +3637.2
1397 9.4 60812.9 +3609.4	1487 9.5 63319.4 +3639.3	1577 9.4 70128.0 +3609.9	1667 8.9 73231.4 +3603.9
1398 9.4 60841.8 +3602.9	1488 9.3 63326.8 +3654.6	1578 9.3 70130.6 +3616.2	1668 9.3 73251.6 +3609.2
1399 9.2 60857.3 +3635.9	1489 9.5 63326.8 +3650.8	1579 9.5 70136.8 +3634.1	1669 9.4 73301.1 +3630.3
1400 9.4 60901.4 +3658.0	1490 8.5 63333.0 +3628.2	1580 9.4 70141.6 +3609.2	1670 8.4 73310.9 +3655.7
1401 9.5 60936.4 +3613.9	1491 9.5 63359.2 +3646.0	1581 9.4 70224.4 +3606.3	1671 9.1 73356.8 +3600.6
1402 8.6 61013.0 +3616.3	1492 9.5 63413.5 +3606.2	1582 7.8 70237.6 +3621.7	1672 9.5 73355.3 +3648.0
1403 9.5 61017.8 +3616.6	1493 8.7 63428.3 +3618.2	1583 9.1 70300.7 +3654.1	1673 9.5 73419.0 +3622.8
1404 9.5 61063.7 +3613.2	1494 6.7 63428.9 +3614.4	1584 9.0 70319.0 +3640.5	1674 9.1 73508.6 +3651.1
1405 9.5 61059.6 +3614.9	1495 8.8 63521.5 +3603.5	1585 9.5 70359.0 +3610.8	1675 8.5 73509.6 +3610.8
1406 8.3 61105.3 +3637.9	1496 9.1 63604.9 +3614.1	1586 9.5 70411.2 +3629.6	1676 9.5 73538.7 +3637.3
1407 7.8 61113.4 +3622.7	1497 8.5 63610.4 +3609.9	1587 9.5 70419.3 +3648.1	1677 8.2 73622.4 +3619.4
1408 9.1 61153.4 +3610.1	1498 9.3 63625.7 +3635.3	1588 9.4 70433.8 +3618.0	1678 9.5 73730.3 +3637.3
1409 8.7 61154.8 +3608.0	1499 9.4 63636.0 +3651.5	1589 9.5 70534.5 +3614.8	1679 9.4 73750.6 +3624.8
1410 9.4 61222.9 +3619.8	1500 9.2 63646.8 +3601.3	1590 8.8 70551.2 +3646.5	1680 9.4 73753.1 +3626.8
1411 9.5 61244.6 +3603.9	1501 8.3 63708.0 +3632.4	1591 9.5 70703.8 +3640.6	1681 9.4 73800.7 +3641.7
1412 8.6 61304.3 +3608.4	1502 8.8 63725.3 +3650.9	1592 9.1 70735.8 +3646.8	1682 9.5 73822.9 +3604.5
1413 9.5 61313.1 +3614.2	1503 9.5 63746.1 +3639.8	1593 7.7 70740.6 +3615.4	1683 9.3 73835.0 +3652.2
1414 9.5 61316.9 +3642.8	1504 7.3 63749.7 +3648.2	1594 9.1 70802.6 +3647.6	1684 9.5 73838.8 +3606.5
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2114	9.3	103656.8	+3601.7
2115	9.3	103703.7	+3608.3
2116	9.5	103728.0	+3642.7
2117	9.1	103744.0	+3619.7
2118	9.1	103750.3	+3627.2
2119	8.7	103803.5	+3623.4
2120	9.4	103822.5	+3622.1
2121	9.5	103829.8	+3624.5
2122	9.5	103856.4	+3630.7
2123	9.5	103941.2	+3625.4
2124	9.3	104000.2	+3635.7
2125	9.5	104026.0	+3618.8
2126	9.3	104107.4	+3640.3
2127	9.3	104131.1	+3623.5
2128	7.3	104157.9	+3652.8
2129	8.7	104258.2	+3636.9
2130	9.0	104348.0	+3617.3
2131	9.4	104433.7	+3629.2
2132	9.5	104610.8	+3618.9
2133	9.0	104644.8	+3655.6
2134	8.9	104920.3	+3636.5
2135	9.5	104946.2	+3618.3
2136	9.5	105053.0	+3608.2
2137	9.5	105109.8	+3628.2
2138	9.3	105114.7	+3644.2
2139	6.0	105126.4	+3653.6
2140	9.5	105301.9	+3614.5
2141	8.6	105311.4	+3649.6
2142	9.5	105351.8	+3636.0
2143	9.5	105354.3	+3605.6
2144	9.1	105444.3	+3626.9
2145	9.2	105452.9	+3610.1
2146	8.5	105454.0	+3627.7
2147	7.3	105523.6	+3656.3
2148	9.5	105525.4	+3626.6
2149	9.4	105645.9	+3623.0
2150	8.9	105651.8	+3636.0
2151	8.8	105653.3	+3621.8
2152	9.4	105714.2	+3643.0
2153	9.3	105732.6	+3611.5
2154	9.5	105748.1	+3627.0
2155	9.5	105930.7	+3607.9
2156	9.3	110012.8	+3608.0
2157	7.4	110036.3	+3646.1
2158	9.5	110057.7	+3634.7
2159	9.5	110136.8	+3659.5
2160	7.5	110214.8	+3607.2
2161	9.4	110259.5	+3641.2
2162	6.8	110438.8	+3635.6
2163	9.5	110440.2	+3602.0
2164	7.7	110449.0	+3636.8
2165	9.1	110449.4	+3631.5
2166	9.4	110512.7	+3630.2
2167	9.3	110619.5	+3640.2
2168	9.5	110620.3	+3618.2
2169	9.2	110723.5	+3612.1
2170	8.0	110742.0	+3638.4
2171	8.5	111007.4	+3613.9
2172	9.5	111017.0	+3612.8
2173	8.4	111036.3	+3652.1
2174	9.5	111047.9	+3610.9
2175	7.0	111055.2	+3616.8
2176	8.8	111058.8	+3644.1
2177	9.2	111105.2	+3641.3
2178	9.2	111228.4	+3651.2
2179	9.3	111313.5	+3658.0
2180	8.1	111339.2	+3626.0
2181	7.8	111414.7	+3607.7
2182	9.5	111815.0	+3631.2
2183	9.5	111816.9	+3645.2
2184	9.5	111854.2	+3612.7
2185	9.3	111905.3	+3650.9
2186	8.5	111921.2	+3633.7
2187	3.2	112006.4	+3609.8
2188	9.4	112041.5	+3648.8
2189	8.5	112158.9	+3625.4
2190	8.8	112159.2	+3647.2
2191	9.5	112224.8	+3622.0
2192	9.3	112225.8	+3606.4
2193	9.5	112236.9	+3637.4
2194	9.5	112336.6	+3614.6
2195	9.4	112357.9	+3643.4
2196	9.5	112402.8	+3639.9
2197	9.5	112713.2	+3646.6
2198	8.2	112729.7	+3612.4
2199	9.0	112804.6	+3636.5
2200	8.5	112804.6	+3644.1
2201	9.0	112829.2	+3655.5
2202	8.9	112854.5	+3602.9
2203	9.4	112941.6	+3650.9
2204	9.0	112941.6	+3624.0
2205	9.0	113018.1	+3623.6
2206	9.5	113032.6	+3610.6
2207	8.6	113056.9	+3623.3
2208	9.4	113137.1	+3617.2
2209	9.5	113204.4	+3623.0
2210	9.3	113232.1	+3658.0
2211	9.5	113602.5	+3632.3
2212	9.3	113604.2	+3630.5
2213	9.3	113703.8	+3635.2
2214	9.5	113735.2	+3656.7
2215	9.3	113755.1	+3605.4
2216	7.0	113759.3	+3641.4
2217	9.5	114014.6	+3602.1
2218	9.4	114247.5	+3630.3
2219	9.4	114337.1	+3603.1
2220	9.5	114631.6	+3658.0
2221	9.5	114738.2	+3640.7
2222	9.1	114816.3	+3615.0
2223	6.5	114830.5	+3608.7
2224	9.3	114835.1	+3649.0
2225	6.6	114848.2	+3615.6
2226	9.5	114916.1	+3650.8
2227	9.0	114931.9	+3639.6
2228	9.4	114950.8	+3639.5
2229	9.5	115350.7	+3636.1
2230	5.5	115413.9	+3651.0
2231	9.4	115509.8	+3656.0
2232	8.3	115514.2	+3632.1
2233	9.0	115524.6	+3626.6
2234	9.4	115703.8	+3632.0
2235	7.3	115714.2	+3621.8
2236	9.0	115725.6	+3628.4
2237	9.0	115913.5	+3608.9
2238	9.3	115932.0	+3652.8
2239	9.5	116021.5	+3603.1
2240	9.5	120123.9	+3653.7
2241	9.5	120143.0	+3622.2
2242	9.5	120146.4	+3654.0
2243	9.0	120150.1	+3630.8
2244	8.5	120339.8	+3610.5
2245	9.3	120400.5	+3624.2
2246	9.0	120413.4	+3654.7
2247	9.3	120504.8	+3607.1
2248	7.5	120513.5	+3633.5
2249	9.0	120657.5	+3626.8
2250	8.6	120806.6	+3621.9
2251	9.1	120814.6	+3616.7
2252	9.4	120818.8	+3638.3
2253	9.5	120826.5	+3615.7
2254	8.6	120831.2	+3603.3
2255	9.3	120916.8	+3634.9
2256	8.6	120934.7	+3644.2
2257	8.5	121013.1	+3620.2
2258	9.0	121031.5	+3607.1
2259	9.0	121203.8	+3619.9
2260	9.4	121220.6	+3641.4
2261	9.0	121308.1	+3631.0
2262	9.4	121516.5	+3651.7
2263	9.5	121606.8	+3603.3
2264	9.2	121701.3	+3651.3
2265	9.2	121705.6	+3642.6
2266	9.5	121737.5	+3624.4
2267	9.5	121748.3	+3630.3
2268	9.1	121809.0	+3647.0
2269	8.9	122048.6	+3609.5
2270	7.9	122204.3	+3619.1
2271	9.5	122225.2	+3654.8
2272	9.5	122250.5	+3645.5
2273	9.3	122301.1	+3635.1
2274	9.1	122315.7	+3633.6
2275	9.1	122318.6	+3656.7
2276	8.1	122358.7	+3636.7
2277	9.3	122447.0	+3651.0
2278	9.0	122522.9	+3607.9
2279	8.3	122528.5	+3635.5
2280	8.4	122622.0	+3603.2
2281	9.4	122735.1	+3638.3
2282	9.3	122752.6	+3611.9
2283	9.4	122805.2	+3643.3
2284	8.7	122809.9	+3654.8
2285	8.8	122813.4	+3604.2
2286	8.9	122821.0	+3632.5
2287	9.5	122852.2	+3648.8
2288	9.1	123010.5	+3631.6
2289	9.5	123046.0	+3649.1
2290	9.5	123054.9	+3625.1
2291	9.5	123111.0	+3621.5
2292	9.5	123120.4	+3658.5
2293	9.4	123133.0	+3606.9
2294	9.4	123202.8	+3609.9
2295	6.0	123214.6	+3646.1
2296	9.3	123251.4	+3652.5
2297	9.5	123306.8	+3651.6
2298	9.5	123358.5	+3651.1
2299	9.0	123502.7	+3625.9
2300	8.9	123503.2	+3635.7
2301	8.8	123528.7	+3644.4
2302	9.4	123611.9	+3641.0
2303	9.0	123622.7	+3657.5
2304	8.9	123638.3	+3607.0
2305	6.7	123710.0	+3634.5
2306	8.0	123748.5	+3626.6
2307	9.5	123820.8	+3643.1
2308	9.2	124200.3	+3643.8
2309	7.7	124217.8	+3606.6
2310	9.4	124313.0	+3600.4
2311	7.8	124321.5	+3629.7
2312	9.2	124343.3	+3643.2
2313	9.2	124539.7	+3648.5
2314	7.5	124651.0	+3631.2
2315	9.4	124702.5	+3622.0
2316	9.2	124713.5	+3643.1
2317	9.2	124739.0	+3641.0
2318	9.5	124740.8	+3636.2
2319	9.4	124830.0	+3616.3
2320	8.4	124850.0	+3644.1
2321	8.7	124916.3	+3607.9
2322	9.5	125051.2	+3600.7
2323	9.4	125103.3	+3620.5
2324	9.5	125144.8	+3659.6
2325	9.5	125204.5	+3603.5
2326	9.2	125240.3	+3654.5
2327	9.4	125329.1	+3657.0
2328	8.8	125332.0	+3632.5
2329	9.5	125342.6	+3605.4
2330	9.4	125347.4	+3600.7
2331	9.2	125422.2	+3638.8
2332	9.4	125454.0	+3629.8
2333	9.5	125	

+36 2426 13h48m

+36 2785 16h44m

2426	9.5	134849.0	+3623.6	2516	9.5	143506.5	+3622.1	2606	9.4	152117.1	+3658.5	2696	9.5	160247.0	+3644.6
2427	8.5	135027.2	+3609.8	2517	9.5	143516.5	+3623.8	2607	9.4	152140.4	+3612.8	2697	9.5	160303.8	+3638.3
2428	9.5	135055.9	+3605.4	2518	9.5	143559.0	+3636.0	2608	9.3	152257.8	+3639.1	2698	8.9	160326.4	+3604.8
2429	9.5	135131.4	+3630.2	2519	9.3	143620.3	+3608.8	2609	9.4	152259.0	+3604.2	2699	5.0	160341.0	+3651.4
2430	9.5	135156.9	+3613.5	2520	8.9	143625.5	+3611.3	2610	8.8	152400.9	+3633.5	2700	9.0	160350.1	+3603.4
2431	9.3	135252.7	+3631.7	2521	9.5	143719.0	+3645.1	2611	9.4	152433.0	+3637.0	2701	9.4	160442.1	+3626.2
2432	9.0	135407.6	+3615.3	2522	9.2	143748.2	+3650.1	2612	8.8	152457.7	+3624.5	2702	9.5	160442.5	+3622.0
2433	9.3	135429.4	+3605.7	2523	9.5	143833.0	+3604.9	2613	9.4	152559.5	+3603.3	2703	9.5	160513.8	+3644.7
2434	9.3	135440.9	+3606.0	2524	9.5	143834.0	+3616.5	2614	8.8	152624.0	+3613.5	2704	8.0	160553.1	+3623.5
2435	7.0	135522.4	+3655.9	2525	9.5	143935.5	+3639.2	2615	9.5	152728.8	+3654.6	2705	9.5	160602.0	+3620.6
2436	7.0	135607.3	+3649.4	2526	9.5	143959.6	+3649.6	2616	9.5	152732.5	+3630.6	2706	6.2	160630.6	+3648.2
2437	9.2	135633.3	+3658.6	2527	8.6	144017.2	+3631.6	2617	8.4	152756.8	+3625.5	2707	9.3	160743.7	+3639.8
2438	9.5	135729.9	+3607.0	2528	9.3	144034.0	+3637.3	2618	9.3	152806.4	+3657.6	2708	9.5	160750.5	+3602.1
2439	9.4	135840.9	+3642.0	2529	9.5	144111.0	+3634.8	2619	9.0	152911.4	+3641.1	2709	9.3	160756.7	+3620.5
2440	8.6	135843.6	+3630.2	2530	7.5	144130.0	+3610.7	2620	9.5	152955.2	+3616.3	2710	9.5	160757.9	+3640.0
2441	9.5	135914.5	+3609.1	2531	7.5	144157.7	+3616.0	2621	8.5	152957.1	+3641.7	2711	9.5	160938.5	+3611.7
2442	9.5	140148.2	+3634.7	2532	8.7	144208.0	+3627.3	2622	8.2	153018.8	+3624.4	2712	9.4	161013.7	+3630.8
2443	9.5	140244.1	+3621.9	2533	8.4	144258.0	+3639.0	2623	7.5	153042.7	+3612.0	2713	8.3	161021.8	+3600.2
2444	9.4	140314.6	+3616.6	2534	9.3	144305.0	+3616.9	2624	9.0	153206.4	+3633.1	2714	7.0	161034.8	+3655.1
2445	8.0	140323.0	+3628.5	2535	8.4	144312.5	+3640.4	2625	8.8	153212.1	+3645.9	2715	7.9	161036.9	+3614.1
2446	8.1	140408.8	+3608.4	2536	9.5	144339.0	+3649.6	2626	7.5	153245.1	+3643.0	2716	9.5	161053.2	+3618.4
2447	9.5	140442.0	+3632.0	2537	8.8	144439.0	+3616.0	2627	9.4	153253.8	+3622.8	2717	8.6	161102.0	+3626.9
2448	9.5	140446.5	+3617.1	2538	9.5	144502.0	+3640.4	2628	9.5	153324.3	+3609.5	2718	8.3	161126.7	+3652.1
2449	8.9	140451.9	+3658.0	2539	9.3	144506.0	+3634.0	2629	9.3	153407.5	+3607.8	2719	8.9	161137.8	+3614.0
2450	8.3	140522.3	+3605.3	2540	9.4	144536.0	+3606.6	2630	9.0	153437.1	+3658.3	2720	8.6	161151.6	+3603.2
2451	7.8	140648.5	+3617.1	2541	9.5	144600.5	+3600.4	2631	9.5	153523.8	+3621.5	2721	9.4	161209.2	+3617.0
2452	9.5	140648.9	+3628.0	2542	9.2	144603.0	+3612.6	2632	9.5	153549.4	+3642.0	2722	7.3	161231.2	+3603.5
2453	7.0	140803.2	+3617.6	2543	9.5	144715.7	+3602.0	2633	9.0	153611.6	+3627.4	2723	9.0	161304.7	+3615.4
2454	8.5	140812.6	+3613.3	2544	9.1	144729.6	+3629.1	2634	8.7	153617.4	+3654.1	2724	9.5	161357.7	+3638.3
2455	9.3	140822.7	+3613.8	2545	9.1	144730.5	+3621.3	2635	9.5	153718.1	+3601.3	2725	9.5	161433.7	+3620.2
2456	9.1	140837.1	+3656.2	2546	9.3	144753.3	+3630.0	2636	9.4	153725.4	+3644.9	2726	9.5	161517.8	+3650.0
2457	9.3	140855.6	+3625.3	2547	8.8	144803.5	+3623.3	2637	9.5	153725.8	+3604.0	2727	9.5	161544.2	+3650.0
2458	9.5	140918.9	+3632.4	2548	9.5	144806.7	+3607.6	2638	9.5	153735.4	+3630.0	2728	8.3	161603.2	+3614.6
2459	9.5	140961.3	+3658.0	2549	9.0	144907.5	+3659.0	2639	9.5	153910.4	+3650.3	2729	9.5	161607.0	+3633.7
2460	9.5	140952.1	+3652.5	2550	8.3	144943.2	+3602.7	2640	9.1	153915.3	+3601.4	2730	9.4	161610.5	+3644.8
2461	9.1	140955.8	+3637.7	2551	9.3	144945.0	+3621.6	2641	9.5	153928.2	+3623.8	2731	9.2	161619.3	+3651.5
2462	9.4	141007.5	+3613.1	2552	9.2	144952.5	+3630.4	2642	9.3	153945.9	+3605.6	2732	9.4	161640.9	+3603.2
2463	9.5	141038.6	+3612.9	2553	9.5	145044.0	+3638.9	2643	8.3	154027.1	+3651.8	2733	9.0	161658.7	+3635.2
2464	9.3	141046.2	+3607.7	2554	8.8	145120.0	+3634.3	2644	8.7	154058.0	+3654.0	2734	9.3	161915.3	+3603.5
2465	9.5	141053.2	+3608.6	2555	7.2	145120.7	+3604.6	2645	7.6	154059.5	+3653.5	2735	8.7	161919.2	+3621.5
2466	9.5	141120.2	+3616.2	2556	9.5	145205.2	+3610.0	2646	9.3	154106.9	+3658.5	2736	9.0	161919.2	+3651.2
2467	9.1	141125.6	+3624.8	2557	9.4	145221.5	+3631.5	2647	9.5	154143.4	+3627.0	2737	9.5	161931.3	+3659.5
2468	4.8	141151.8	+3610.7	2558	9.5	145225.8	+3657.5	2648	9.2	154204.4	+3648.5	2738	9.0	161952.2	+3614.5
2469	9.5	141152.2	+3658.7	2559	9.5	145228.1	+3635.5	2649	9.5	154256.9	+3629.0	2739	9.4	161913.7	+3628.4
2470	9.1	141231.3	+3644.5	2560	8.8	145301.2	+3625.9	2650	9.5	154349.2	+3635.0	2740	9.3	161914.0	+3619.3
2471	9.5	141311.7	+3643.2	2561	9.5	145330.0	+3616.0	2651	9.5	154424.8	+3600.0	2741	9.3	161957.2	+3620.1
2472	9.5	141326.6	+3600.1	2562	9.5	145344.3	+3659.0	2652	5.0	154544.5	+3606.7	2742	9.4	162002.7	+3646.0
2473	9.5	141328.6	+3642.2	2563	9.0	145400.9	+3629.5	2653	9.5	154633.0	+3606.8	2743	9.5	162059.6	+3658.0
2474	9.5	141336.7	+3633.4	2564	9.5	145419.0	+3601.6	2654	9.5	154646.1	+3624.7	2744	9.2	162052.4	+3634.8
2475	9.5	141346.3	+3653.8	2565	8.5	145601.5	+3615.7	2655	9.5	154658.5	+3611.7	2745	9.4	162051.5	+3640.8
2476	9.5	141519.5	+3619.0	2566	9.4	145727.8	+3635.3	2656	9.5	154701.2	+3624.7	2746	9.3	162022.2	+3601.7
2477	9.5	141553.2	+3652.5	2567	9.1	145740.0	+3612.2	2657	9.5	154710.8	+3635.7	2747	8.3	162043.7	+3645.3
2478	8.0	141607.7	+3617.8	2568	9.0	145741.3	+3628.3	2658	9.2	154741.4	+3644.6	2748	9.5	162020.9	+3656.4
2479	9.0	141609.2	+3647.6	2569	9.5	145809.7	+3626.1	2659	9.3	154753.8	+3610.6	2749	8.5	162032.9	+3629.8
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4995 9.1 225607.0 +3653.3	5085 9.4 232852.6 +3604.6	19 9.5 00401.4 +3538.2	109 8.5 03054.7 +3504.8
4996 9.5 225616.8 +3628.0	5086 9.5 233006.1 +3614.6	20 9.0 00401.8 +3542.4	110 7.8 03055.6 +3547.5
4997 8.9 225722.1 +3630.0	5087 8.3 233016.4 +3655.4	21 9.4 00425.1 +3519.5	111 9.4 03056.4 +3514.2
4998 9.3 225730.6 +3657.6	5088 8.9 233028.0 +3634.9	22 9.0 00428.2 +3506.4	112 9.5 03103.0 +3559.3
4999 9.4 225751.7 +3620.7	5089 9.5 233052.2 +3625.2	23 8.9 00453.2 +3558.3	113 7.6 03147.9 +3559.6
5000 9.2 225803.2 +3600.6	5090 9.5 233112.9 +3657.5	24 9.0 00505.3 +3552.5	114 9.4 03214.0 +3530.0
5001 9.5 225841.8 +3625.2	5091 9.5 233125.5 +3601.3	25 9.2 00523.7 +3556.5	115 9.4 03218.8 +3518.9
5002 9.5 225917.9 +3623.5	5092 9.5 233128.6 +3632.1	26 9.0 00555.6 +3549.1	116 9.4 03239.5 +3533.2
5003 6.5 225922.8 +3602.2	5093 9.3 233140.0 +3650.4	27 7.9 00604.6 +3520.9	117 7.7 03242.4 +3539.1
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5006 9.2 230035.1 +3604.5	5096 9.1 233240.3 +3656.1	30 8.5 00726.1 +3536.5	120 9.5 03246.3 +3510.9
5007 9.3 230053.9 +3629.0	5097 9.5 233245.5 +3605.0	31 9.5 00734.4 +3553.0	121 8.2 03248.2 +3544.0
5008 9.5 230235.1 +3626.9	5098 6.5 233253.1 +3651.1	32 9.1 00813.9 +3527.9	122 9.5 03257.1 +3514.0
5009 9.5 230250.8 +3616.5	5099 9.0 233311.7 +3600.2	33 9.5 00821.1 +3529.9	123 9.0 03316.5 +3525.4
5010 7.3 230257.4 +3654.4	5100 9.5 233328.1 +3602.2	34 7.3 00910.7 +3540.5	124 9.4 03350.7 +3521.5
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5012 7.0 230309.8 +3603.7	5102 9.0 233421.1 +3648.6	36 8.3 00912.5 +3519.7	126 9.4 03427.2 +3527.3
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5014 9.5 230336.1 +3640.6	5104 9.5 233531.6 +3655.4	38 9.5 00947.0 +3507.1	128 9.4 03438.7 +3505.3
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5018 9.4 230441.4 +3612.5	5108 8.8 233602.1 +3607.0	42 9.2 01018.5 +3539.2	132 8.8 03533.0 +3520.6
5019 9.0 230445.3 +3643.1	5109 9.5 233617.9 +3658.1	43 9.5 01028.3 +3556.5	133 9.4 03554.9 +3517.4
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5023 8.8 230621.6 +3613.2	5113 9.5 233835.1 +3659.1	47 9.5 01140.6 +3519.4	137 9.0 03648.7 +3548.5
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5026 9.4 230718.7 +3627.6	5116 8.7 233842.3 +3632.3	50 9.4 01207.0 +3550.0	140 9.1 03742.4 +3556.9
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5029 9.5 230838.1 +3630.4	5119 9.5 234130.6 +3649.7	53 7.1 01333.7 +3504.5	143 8.6 03919.4 +3551.9
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+35 147 0h40m

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147	9.5	04050.5	+3516.3	236	9.0	10815.4	+3514.3	326	9.5	13335.0	+3528.0	415	9.5	20200.4	+3548.9
148	9.5	04053.1	+3523.7	237	8.5	10825.2	+3540.1	327	9.5	13402.8	+3536.8	416	8.3	20218.1	+3520.4
149	9.4	04108.7	+3508.4	238	8.0	10833.9	+3533.1	328	9.2	13405.7	+3513.5	417	9.4	20230.4	+3537.3
150	9.5	04113.9	+3550.9	239	9.5	10840.9	+3542.9	329	9.5	13416.5	+3550.7	418	8.9	20254.2	+3503.5
151	8.5	04202.2	+3518.6	240	9.4	10914.8	+3501.1	330	9.4	13422.3	+3517.7	419	9.3	20255.3	+3527.8
152	8.3	04223.7	+3500.4	241	9.5	10944.0	+3509.3	331	8.6	13453.0	+3504.1	420	9.4	20305.0	+3524.5
153	9.4	04233.5	+3557.6	242	9.5	10949.9	+3542.8	332	9.5	13502.7	+3510.6	421	9.5	20347.2	+3547.8
154	8.9	04323.9	+3503.6	243	9.5	10952.6	+3556.0	333	9.5	13534.2	+3529.7	422	9.5	20420.7	+3517.4
155	9.5	04333.8	+3523.0	244	9.5	11047.3	+3545.2	334	9.5	13545.7	+3545.0	423	9.5	20423.0	+3525.0
156	9.4	04357.9	+3524.7	245	9.4	11057.1	+3519.2	335	9.5	13600.9	+3511.7	424	9.5	20448.5	+3507.1
157	9.0	04409.2	+3536.0	246	9.3	11103.9	+3500.7	336	9.5	13611.5	+3543.0	425	9.5	20532.8	+3556.7
158	9.1	04432.7	+3513.7	247	9.5	11113.7	+3515.0	337	9.5	13652.6	+3558.9	426	9.3	20606.1	+3520.0
159	9.4	04509.6	+3538.7	248	9.5	11139.0	+3522.4	338	8.3	13730.0	+3526.9	427	9.3	20606.7	+3550.4
160	9.3	04523.5	+3533.9	249	8.1	11154.1	+3553.2	339	8.5	13734.7	+3536.3	428	9.2	20612.5	+3504.2
161	9.3	04525.5	+3529.9	250	9.4	11220.0	+3536.8	340	9.4	13815.1	+3504.2	429	8.9	20640.3	+3549.6
162	9.3	04542.8	+3504.0	251	3.6	11221.4	+3539.7	341	9.4	13827.0	+3557.9	430	9.3	20644.0	+3513.2
163	9.5	04627.1	+3532.5	252	9.5	11324.5	+3528.5	342	9.4	13830.0	+3540.1	431	8.8	20658.4	+3557.2
164	9.5	04649.1	+3540.2	253	9.5	11326.4	+3554.8	343	9.5	13931.1	+3535.3	432	9.3	20710.6	+3536.9
165	9.2	04712.1	+3520.2	254	9.5	11338.8	+3556.6	344	9.5	13944.8	+3501.7	433	9.5	20730.6	+3518.7
166	9.5	04712.1	+3538.0	255	9.4	11358.6	+3518.3	345	9.0	13956.2	+3549.8	434	9.1	20733.7	+3538.4
167	8.6	04720.7	+3514.8	256	9.0	11359.1	+3500.7	346	9.4	14010.3	+3537.1	435	9.2	20740.1	+3512.5
168	9.5	04727.1	+3523.0	257	9.2	11400.0	+3544.2	347	9.1	14013.1	+3505.8	436	9.4	20743.0	+3547.8
169	9.5	04744.5	+3534.8	258	9.3	11416.7	+3519.0	348	9.3	14112.2	+3527.4	437	9.5	20745.3	+3543.8
170	9.1	04818.1	+3551.5	259	9.0	11448.9	+3529.1	349	7.5	14217.6	+3520.4	438	9.5	20749.6	+3526.2
171	9.3	04831.9	+3506.3	260	6.7	11504.1	+3545.4	350	7.3	14225.5	+3507.6	439	9.5	20754.3	+3542.8
172	9.2	04837.5	+3557.3	261	9.5	11519.7	+3535.7	351	9.2	14227.8	+3531.8	440	8.6	20802.8	+3501.5
173	9.5	04927.7	+3539.9	262	9.5	11521.8	+3516.8	352	9.3	14233.5	+3518.0	441	8.5	20806.0	+3531.9
174	9.4	04939.9	+3539.3	263	9.5	11604.1	+3534.5	353	8.7	14256.0	+3504.1	442	9.2	20815.3	+3503.0
175	9.5	05004.2	+3557.8	264	9.2	11626.5	+3527.7	354	8.7	14322.8	+3520.7	443	7.5	20822.5	+3515.3
176	9.1	05006.6	+3527.6	265	8.0	11628.2	+3519.1	355	9.5	14404.0	+3537.9	444	9.5	20830.0	+3519.9
177	9.5	05136.5	+3509.3	266	8.9	11638.1	+3525.8	356	9.5	14406.2	+3548.3	445	9.3	20837.6	+3539.1
178	9.5	05209.0	+3506.5	267	9.5	11638.2	+3543.7	357	9.5	14412.4	+3531.7	446	9.5	20855.5	+3549.4
179	9.2	05223.0	+3543.9	268	9.1	11707.0	+3505.0	358	9.5	14412.7	+3555.2	447	8.2	20857.1	+3543.8
180	9.3	05227.2	+3507.2	269	8.7	11709.6	+3512.9	359	9.5	14445.4	+3509.7	448	9.3	20909.2	+3515.6
180a	9.5	05241.1	+3534.8	270	7.7	11728.3	+3536.0	360	9.5	14506.3	+3550.5	449	9.0	20928.1	+3554.4
181	7.1	05253.9	+3552.7	271	9.5	11745.9	+3554.1	361	9.5	14519.9	+3509.3	450	9.4	20930.8	+3545.6
182	9.4	05302.1	+3533.8	272	9.5	11800.1	+3534.9	362	9.5	14538.6	+3516.5	451	9.5	21012.9	+3528.1
183	9.3	05314.9	+3527.2	273	9.5	11833.9	+3557.0	363	9.5	14539.2	+3523.9	452	9.4	21036.8	+3511.2
184	7.8	05335.1	+3512.7	274	8.6	11834.3	+3548.6	364	8.8	14539.7	+3550.9	453	9.5	21054.4	+3524.5
185	9.0	05335.8	+3526.2	275	9.2	11926.8	+3507.0	365	8.7	14543.7	+3532.9	454	8.8	21120.5	+3517.7
186	8.9	05425.4	+3534.7	276	9.1	11955.7	+3525.3	366	9.4	14555.9	+3543.3	455	9.5	21123.4	+3509.3
187	9.5	05441.3	+3545.9	277	9.2	11959.4	+3511.2	367	9.5	14557.8	+3527.0	456	9.5	21132.6	+3552.3
188	9.5	05442.4	+3539.5	278	9.2	12011.1	+3517.5	367a	9.5	14559.2	+3527.4	457	9.5	21153.7	+3563.5
189	8.9	05500.7	+3545.3	279	9.5	12021.3	+3506.5	368	9.5	14610.0	+3550.0	458	9.5	21220.2	+3553.0
190	9.0	05507.1	+3525.5	280	9.0	12034.9	+3501.8	369	9.5	14617.0	+3502.4	459	8.9	21228.9	+3523.0
191	9.3	05517.3	+3506.2	281	8.3	12035.3	+3553.2	370	9.5	14620.2	+3520.5	460	9.3	21259.3	+3505.8
192	9.5	05521.4	+3526.7	282	7.4	12055.6	+3522.6	371	9.4	14626.1	+3512.6	461	9.3	21324.0	+3510.1
193	9.1	05538.2	+3545.0	283	9.4	12100.3	+3554.6	372	8.2	14645.1	+3517.3	462	9.3	21331.6	+3528.6
194	9.1	05540.7	+3530.5	284	9.2	12154.8	+3519.9	373	9.5	14656.2	+3505.2	463	9.3	21343.5	+3541.7
195	9.1	05547.6	+3544.3	285	9.1	12221.9	+3527.2	374	8.5	14711.0	+3537.9	464	9.3	21429.0	+3535.9
196	9.1	05557.1	+3510.2	286	9.4	12317.7	+3530.2	375	9.5	14725.3	+3514.1	465	8.4	21446.1	+3510.2
197	9.5	05612.1	+3515.8	287	8.9	12329.2	+3520.5	376	8.8	14734.1	+3528.0	466	9.5	21446.9	+3545.9
198	9.1	05619.4	+3531.7	288	9.4	12321.1	+3517.9	377	8.5	14739.3	+3520.7	467	8.9	21547.2	+3538.8
199	9.3	05621.0	+3511.9	289	9.2	12357.7	+3500.3	378	9.5	14812.7	+3516.6	468	9.5	21557.9	+3569.5
200	9.5	05735.1	+3542.9	290	9.0	12359.8	+3538.1	379	8.8	14904.9	+3505.0	469	9.5	21634.3	+3552.7
201	9.5	05821.4	+3520.6	291	9.4	12410.7	+3543.7	380	9.2	14954.7	+3518.8	470	8.3	21637.9	+3518.7
202	8.3	05833.1	+3537.7	292	6.5	12430.3	+3506.3	381	7.8	14958.9	+3522.3	471	9.3	21638.9	+3547.9
203	9.0	05890.6	+3556.8	293	9.1	12431.1	+3507.0	382	7.0	15012.3	+3554.0	472	9.5	21755.0	+3554.5
204	9.2	05905.9	+3527.2	294	9.5	12434.3	+3532.5	383	9.5	15019.9	+3529.5	473	9.1	21835.6	+3541.1
205	9.4	05926.1	+3549.3	295	9.5	12453.8	+3551.6	384	9.5	15037.8	+3548.7	474	9.4	21848.0	+3541.9
206	9.3	05949.6	+3534.1	296	8.2	12552.1	+3526.4	385	8.3	15144.7	+3534.7	475	9.2	21904.9	+3554.2
207	8.8	05956.7	+3502.3	297	9.4	12557.0	+3549.3	386	8.7	15158.5	+3505.1	476	9.0	21915.1	+3520.5
208	9.4	10323.4	+3527.9	298	9.4	12607.3	+3517.5	387	9.3	15225.2	+3543.3	477	8.5	21918.4	+3516.9
209	8.9	10326.1	+3519.3	299	8.5	12623.5	+3522.6	388	9.5	15303.5	+3531.7	478	9.5	21949.9	+3539.2
210	9.5	10346.9	+3509.4	300	8.5	12716.1	+3525.6	389	9.5	15303.5	+3538.7	479	9.3	21958.0	+3518.5
211	9.5	10313.6	+3557.3	301	9.5	12723.3	+3514.5	390	9.5	15312.4	+3543.9	480	8.9	22008.3	+3500.4
212	9.5	10320.1	+3525.1	302	9.5	12738.4	+3521.8	391	9.4	15317.6	+3529.0	481	9.5	22013.3	+3556.2
213	9.5	10327.6	+3547.0	303	7.8	12747.6	+3547.6	392	9.4	15318.0	+3547.7	482	9.3	22019.3	+3559.9
214	8.9	10322.2	+3540.3	304	9.5	12805.0	+3510.4	393	9.4	15321.5	+3535.5	483	9.4	22021.6	+3513.8
215	8.8	10329.2	+3509.7	305	9.5	12816.8	+3511.9	394	9.5	15321.3	+3509.6	484	9.5	22036.4	+3559.6
216	9.0	10234.9	+3518.4	306	9.4	12844.5	+3523.6	395	9.5	15343.2	+3526.3	485	9.4	22042.7	+3505.7
217	9.4	10255.0	+3551.2	307	9.4	12852.9	+3540.3	396	8.0	15435.1	+3525.0	486	9.5	22106.0	+3526.6
218	8.2	10310.3	+3509.2	308	8.0	12908.8	+3558.9	397	9.3	15457.7	+3549.0	487	9.5	22122.4	+3540.1
219	7.8	10337.1	+3538.2	309	9.5	12915.6	+3536.1	398	9.5	15550.5	+3546.9	488	9.0	22137.1	+3521.9
220	9.4	10402.4	+3512.5	310	9.5	12940.4	+3509.2	399	8.8	15627.1	+3554.2	489	9.2	22142.9	+3502.3
221	8.2	10436.5	+3529.9	311	9.5	12940.8	+3533.5	400	9.0	15627.3	+3553.1	490	7.5	22158.4	+3528.0
222	9.4	10458.1	+3506.7	312	9.2	13015.9	+3516.2	401	9.4	15632.					

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+35 1222 5h35m

+35 1581 7h05m

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*35 1582 7h06m

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1597 9.4 71302.5 +3515.0
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1794 9.5 80820.5 +3540.4
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1797 9.5 80926.1 +3514.5
1798 9.2 80933.4 +3540.9
1799 9.3 80937.7 +3553.7
1800 9.5 80947.4 +3504.2
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1803 7.3 81028.2 +3539.1
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1833 9.1 82154.9 +3500.3
1834 7.0 82220.4 +3527.5
1835 8.8 82257.9 +3510.2
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1838 8.3 82324.6 +3503.1
1839 8.8 82455.1 +3509.0
1840 9.5 82601.2 +3533.8
1841 9.1 82604.5 +3556.4

1842 9.5 82620.2 +3514.4
1843 9.0 82621.9 +3505.7
1844 9.4 82635.0 +3551.4
1845 8.6 82724.0 +3519.5
1846 8.8 82729.0 +3513.0
1847 9.1 82755.2 +3543.1
1848 8.6 82838.6 +3514.4
1849 9.4 82849.1 +3541.3
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*35 1941 8h58m

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1858 9.2 83149.3 +3542.0
1859 9.0 83231.1 +3516.5
1860 9.5 83306.7 +3520.0
1861 9.5 83329.5 +3538.4

1862 9.5 83416.1 +3555.2
1863 9.5 83416.5 +3534.9
1864 8.5 83450.6 +3533.4
1865 9.5 83500.7 +3533.8
1866 9.5 83520.4 +3523.9
1867 9.3 83554.0 +3540.4
1868 8.8 83720.9 +3516.8
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1872 9.4 83911.8 +3527.3
1873 9.2 83915.0 +3541.7
1874 9.5 83958.7 +3530.3
1875 8.0 84052.4 +3555.0
1876 8.0 84108.8 +3533.3
1877 9.4 84111.5 +3536.2
1878 7.0 84138.3 +3536.2
1879 9.3 84150.7 +3512.4
1880 8.0 84153.2 +3520.2
1881 8.4 84209.3 +3515.3

1882 9.5 84255.4 +3532.8
1883 8.8 84301.5 +3546.8
1884 9.4 84317.0 +3506.9
1885 9.0 84334.6 +3533.7
1886 7.8 84348.2 +3517.8
1887 9.5 84351.9 +3504.9
1888 9.5 84357.4 +3522.8
1889 9.5 84400.0 +3501.5
1890 8.9 84441.8 +3546.6
1891 9.2 84444.8 +3540.1

1892 8.0 84453.6 +3523.8
1893 9.5 84502.7 +3505.4
1894 8.5 84507.5 +3536.2
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1896 9.4 84525.2 +3514.7
1897 9.5 84548.8 +3537.2
1898 9.5 84551.3 +3534.2
1899 9.2 84608.8 +3542.7
1900 7.7 84618.9 +3540.2
1901 9.3 84638.2 +3517.8

1902 9.5 84653.8 +3507.1
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1908 9.4 84842.9 +3509.1
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1910 9.2 84975.9 +3546.0
1911 9.0 85010.3 +3537.2

1912 8.4 85012.8 +3530.8
1913 7.7 85043.0 +3522.8
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1918 9.4 85150.8 +3551.3
1919 9.5 85242.0 +3518.7
1920 9.4 85256.5 +3552.8
1921 9.5 85306.1 +3551.9

1922 8.9 85328.0 +3556.5
1923 9.5 85332.7 +3559.6
1924 9.1 85359.3 +3530.3
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1927 9.5 85407.7 +3510.4
1928 9.5 85421.0 +3505.5
1929 9.3 85455.8 +3513.3
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1931 8.1 85518.0 +3507.1

1932 9.3 85523.0 +3546.9
1933 8.7 85545.5 +3510.6
1934 9.5 85636.9 +3502.9
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1936 9.5 85713.8 +3559.7
1937 8.0 85735.0 +3527.3
1938 8.5 85742.6 +3554.9
1939 9.5 85751.5 +3543.7
1940 8.5 85753.2 +3505.9
1941 9.0 85809.3 +3520.8

+35 1942 8h58m

+35 2301 11h53m

1942 9.5 85847.7 +3551.2	2032 9.5 93010.0 +3502.0	2122 6.8 100741.7 +3553.5	2212 8.1 110036.5 +3530.3
1943 9.5 85924.9 +3510.5	2033 7.0 93042.0 +3553.3	2123 8.5 100746.5 +3507.2	2213 8.5 110058.5 +3506.5
1944 9.5 85937.0 +3540.2	2034 7.0 93112.0 +3559.6	2124 9.5 100907.4 +3532.0	2214 9.4 110143.4 +3509.4
1945 7.9 85940.6 +3556.5	2035 9.5 93133.4 +3506.5	2125 9.4 100909.5 +3508.8	2215 8.7 110148.4 +3540.7
1946 9.5 85945.8 +3551.2	2036 8.4 93213.2 +3501.1	2126 9.5 101032.9 +3522.3	2216 9.5 110153.6 +3550.0
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1948 9.1 90100.2 +3528.3	2038 9.5 93302.9 +3551.9	2128 9.5 101251.0 +3529.7	2218 9.5 110343.7 +3556.2
1949 7.9 90107.6 +3559.5	2039 7.5 93308.8 +3513.0	2129 9.5 101321.5 +3505.6	2219 7.5 110406.3 +3547.7
1950 9.5 90113.0 +3515.8	2040 9.3 93331.0 +3500.6	2130 6.8 101441.5 +3556.8	2220 8.7 110426.8 +3503.3
1951 9.1 90126.2 +3541.2	2041 8.0 93345.7 +3539.1	2131 9.2 101448.4 +3539.8	2221 7.2 110428.4 +3534.1
1952 9.0 90135.5 +3511.5	2042 6.5 93358.2 +3544.0	2132 9.3 101448.7 +3541.2	2222 8.8 110705.1 +3522.7
1953 9.5 90139.3 +3551.3	2043 8.2 93406.3 +3501.7	2133 9.2 101453.2 +3511.6	2223 9.5 110726.0 +3502.8
1954 9.3 90223.8 +3552.8	2044 9.1 93438.9 +3534.6	2134 9.5 101453.9 +3520.1	2224 9.5 110747.3 +3506.4
1955 8.3 90234.6 +3517.9	2045 9.5 93503.2 +3503.4	2135 9.5 101547.0 +3514.4	2225 8.3 110758.8 +3523.8
1956 8.8 90244.9 +3536.6	2046 7.7 93532.3 +3521.8	2136 8.5 101615.4 +3544.4	2226 9.4 110832.8 +3522.4
1957 9.3 90250.9 +3542.5	2047 9.0 93557.3 +3554.2	2137 8.9 101632.9 +3516.5	2227 9.5 110836.5 +3547.5
1958 9.1 90307.2 +3558.0	2048 8.4 93601.4 +3537.6	2138 9.3 101657.7 +3537.0	2228 9.5 110918.5 +3548.6
1959 9.3 90337.4 +3542.0	2049 8.9 93649.9 +3536.1	2139 9.4 101714.4 +3533.7	2229 9.0 110927.2 +3537.2
1960 7.8 90424.4 +3542.0	2050 30.0 93552.8 +3510.4	2140 9.3 101753.7 +3552.5	2230 9.4 110930.0 +3515.8
1961 9.5 90458.4 +3504.4	2051 9.1 93527.4 +3532.6	2141 9.4 101807.5 +3501.8	2231 9.5 111014.2 +3556.0
1962 9.5 90552.4 +3523.3	2052 9.5 93528.9 +3558.2	2142 9.4 101815.3 +3548.2	2232 9.5 111053.3 +3554.5
1963 9.0 90554.3 +3501.1	2053 9.5 93620.4 +3519.4	2143 9.5 101818.4 +3554.1	2233 9.4 111055.5 +3545.4
1964 9.3 90558.2 +3505.5	2054 9.0 93820.7 +3501.9	2144 9.3 101901.0 +3508.0	2234 9.5 111129.0 +3518.9
1965 9.0 90616.4 +3557.8	2055 9.1 93821.1 +3552.0	2145 9.2 101952.8 +3517.3	2235 9.5 111141.3 +3536.0
1966 6.3 90620.3 +3513.5	2056 9.0 93822.2 +3533.6	2146 8.5 102032.1 +3537.5	2236 9.4 111142.1 +3518.5
1967 9.0 90718.3 +3518.4	2057 9.5 93903.9 +3517.4	2147 8.6 102038.8 +3535.8	2237 8.9 111303.1 +3542.7
1968 9.5 90740.4 +3501.2	2058 9.5 93922.5 +3553.0	2148 8.5 102126.2 +3533.7	2238 9.0 111331.6 +3511.8
1969 8.4 90756.9 +3545.0	2059 8.9 93927.6 +3505.3	2149 9.3 102143.4 +3546.7	2239 9.5 111335.4 +3550.9
1970 9.1 90828.3 +3500.2	2060 9.5 93949.4 +3557.8	2150 9.5 102228.8 +3542.0	2240 9.1 111358.8 +3502.4
1971 6.7 90929.0 +3557.6	2061 9.5 94063.7 +3525.8	2151 9.0 102352.0 +3543.7	2241 8.2 111401.7 +3539.9
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+35 4100 20h18m

4100	9.4	201835.0	+3504.5	4190	9.5	203136.3	+3528.3	4280	9.0	204318.0	+3536.2	4370	9.4	205705.7	+3513.1
4101	9.5	201843.7	+3537.9	4191	9.3	203138.2	+3510.9	4281	9.0	204322.9	+3547.3	4371	9.4	205707.0	+3504.1
4102	8.6	201915.3	+3517.6	4192	9.4	203200.7	+3528.2	4282	7.5	204329.6	+3501.7	4372	9.4	205724.2	+3524.6
4103	9.5	201916.0	+3554.7	4193	9.5	203206.1	+3540.3	4283	9.5	204339.3	+3542.9	4373	9.4	205729.8	+3546.1
4104	8.7	201926.1	+3530.4	4194	9.5	203225.4	+3530.7	4284	9.3	204356.4	+3550.6	4374	9.0	205741.1	+3554.0
4105	8.2	201928.4	+3546.3	4195	9.4	203226.0	+3524.0	4285	8.7	204410.8	+3507.4	4375	9.1	205742.2	+3517.0
4106	9.5	201935.8	+3554.5	4196	9.5	203227.2	+3510.9	4286	8.5	204417.0	+3547.9	4376	9.2	205748.6	+3509.0
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4108	9.3	201956.0	+3525.6	4198	9.2	203239.1	+3515.8	4288	9.3	204435.1	+3521.2	4378	9.5	205753.0	+3555.7
4109	9.4	201957.4	+3540.5	4199	9.5	203256.2	+3514.3	4289	9.3	204438.6	+3537.3	4379	9.2	205755.1	+3542.1
4110	9.4	202005.6	+3526.0	4200	9.5	203327.8	+3504.6	4290	9.5	204510.9	+3504.0	4380	8.7	205809.7	+3547.8
4111	9.5	202006.9	+3518.2	4201	9.5	203336.7	+3520.0	4291	8.2	204511.2	+3523.1	4381	9.5	205819.4	+3502.1
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4113	7.8	202027.8	+3520.7	4203	9.5	203342.8	+3540.2	4293	9.2	204513.7	+3521.4	4382	8.8	205824.2	+3512.0
4114	8.8	202029.2	+3551.8	4204	9.5	203345.6	+3537.9	4294	9.5	204519.2	+3508.6	4383	9.5	205830.3	+3559.1
4115	8.5	202037.7	+3519.2	4205	9.3	203402.1	+3540.4	4295	9.4	204524.8	+3535.9	4384	8.6	205832.1	+3534.5
4116	8.7	202039.4	+3550.6	4206	9.5	203424.0	+3520.6	4296	9.2	204528.6	+3515.0	4385	9.5	205832.8	+3554.3
4117	9.3	202042.9	+3506.2	4207	9.5	203449.2	+3507.1	4297	9.2	204531.4	+3520.2	4386	9.5	205832.8	+3500.6
4118	8.3	202049.2	+3542.9	4208	9.2	203453.9	+3552.8	4298	9.5	204546.9	+3550.4	4387	8.9	205857.2	+3544.4
4119	8.2	202059.2	+3512.8	4209	9.5	203454.7	+3501.2	4299	9.3	204552.2	+3514.8	4388	9.3	205903.0	+3552.1
4120	9.0	202059.7	+3537.7	4210	9.4	203500.5	+3558.8	4300	9.3	204608.8	+3520.7	4389	8.9	205923.7	+3500.1
4121	9.5	202124.0	+3552.8	4211	9.5	203513.3	+3549.9	4301	9.4	204631.1	+3521.2	4390	8.5	205923.7	+3511.2
4122	9.5	202127.6	+3523.3	4212	9.1	203514.6	+3504.2	4302	8.4	204631.2	+3511.6	4391	9.2	205939.2	+3514.2
4123	9.0	202132.2	+3517.3	4213	9.5	203516.8	+3555.3	4303	9.4	204652.7	+3509.1	4392	9.2	205950.4	+3546.4
4124	9.5	202146.8	+3515.0	4214	9.2	203541.5	+3507.6	4304	9.5	204659.1	+3537.8	4393	9.5	205950.7	+3527.5
4125	9.2	202156.2	+3524.2	4215	9.5	203550.9	+3505.9	4305	9.3	204702.2	+3546.2	4394	9.4	205953.6	+3505.0
4126	9.5	202210.1	+3535.4	4216	9.5	203551.7	+3525.9	4306	9.2	204708.8	+3513.3	4395	9.5	210006.2	+3507.0
4127	9.2	202225.5	+3503.0	4217	8.2	203554.2	+3515.0	4307	9.5	204719.1	+3505.4	4396	9.0	210019.0	+3550.5
4128	9.1	202230.4	+3555.4	4218	7.5	203554.7	+3523.8	4308	9.4	204731.7	+3553.6	4397	9.5	210024.8	+3524.8
4129	8.7	202237.3	+3547.2	4219	7.5	203559.9	+3501.8	4309	9.3	204743.9	+3534.0	4398	9.5	210024.8	+3548.9
4130	8.1	202237.9	+3515.3	4220	9.0	203608.6	+3522.6	4310	8.9	204755.0	+3532.5	4399	9.5	210035.5	+3507.1
4131	9.2	202241.5	+3527.1	4221	8.3	203614.0	+3513.7	4311	8.0	204759.8	+3535.5	4400	9.5	210048.2	+3549.5
4132	9.4	202252.8	+3538.5	4222	8.9	203618.0	+3549.8	4312	9.4	204828.3	+3508.4	4401	9.5	210100.0	+3502.2
4133	9.2	202301.6	+3542.7	4223	8.9	203619.7	+3559.4	4313	9.5	204845.4	+3542.4	4402	8.2	210108.5	+3540.6
4134	9.5	202310.6	+3545.5	4224	8.7	203636.7	+3537.4	4314	9.5	204855.8	+3507.0	4403	9.5	210130.1	+3521.5
4135	9.4	202313.4	+3508.4	4225	9.1	203640.2	+3516.4	4315	9.5	204856.1	+3515.4	4404	9.5	210138.6	+3520.5
4136	9.2	202316.0	+3559.3	4226	9.1	203655.2	+3524.6	4316	9.5	204857.0	+3559.6	4405	9.5	210147.1	+3511.7
4137	9.4	202317.5	+3528.5	4227	9.1	203703.0	+3524.6	4317	9.5	204914.9	+3502.7	4406	9.5	210150.9	+3518.9
4138	9.2	202320.3	+3503.6	4228	9.4	203703.2	+3510.2	4318	9.5	204935.5	+3501.9	4407	9.2	210156.3	+3536.5
4139	9.5	202320.5	+3505.9	4229	8.5	203704.2	+3551.8	4319	9.5	204940.1	+3524.8	4408	9.5	210216.5	+3540.4
4140	7.8	202331.2	+3520.8	4230	9.1	203717.8	+3524.1	4320	9.5	204940.6	+3533.2	4409	8.9	210236.4	+3539.2
4141	6.2	202348.5	+3558.5	4231	8.7	203725.5	+3514.5	4321	9.0	204945.6	+3520.2	4410	9.5	210250.4	+3557.5
4142	9.1	202404.0	+3537.2	4232	8.5	203738.1	+3513.3	4322	9.5	204956.2	+3506.9	4411	9.4	210300.0	+3557.8
4143	8.6	202441.2	+3539.6	4233	9.4	203738.1	+3559.3	4323	9.5	205010.5	+3509.1	4412	9.5	210313.4	+3517.5
4144	9.2	202450.9	+3537.4	4234	30.0	203743.2	+3503.6	4324	9.5	205013.0	+3506.9	4413	9.5	210322.8	+3558.2
4145	9.2	202454.2	+3510.7	4235	9.2	203753.0	+3537.4	4325	9.5	205015.2	+3543.4	4414	9.2	210323.6	+3545.4
4146	8.0	202512.2	+3554.7	4236	9.5	203755.0	+3550.0	4326	9.3	205016.9	+3512.8	4415	9.5	210329.4	+3544.9
4147	9.5	202513.6	+3528.4	4237	9.0	203755.2	+3503.8	4327	9.5	205019.5	+3507.9	4416	8.9	210336.2	+3525.1
4148	8.5	202518.0	+3509.5	4238	9.5	203809.6	+3546.0	4328	9.3	205026.2	+3530.5	4417	9.5	210338.2	+3556.7
4149	9.5	202529.5	+3538.6	4239	9.5	203816.7	+3527.5	4329	9.5	205028.0	+3556.6	4418	9.0	210345.3	+3555.9
4150	8.8	202546.1	+3539.8	4240	8.7	203832.1	+3501.0	4330	9.0	205028.9	+3504.8	4419	8.1	210350.9	+3512.9
4151	9.5	202554.4	+3527.0	4241	8.8	203835.2	+3505.7	4331	9.5	205032.2	+3508.9	4420	9.2	210402.2	+3527.7
4152	9.5	202557.8	+3559.7	4242	9.4	203845.5	+3545.4	4332	7.6	205041.1	+3549.7	4421	8.0	210421.8	+3552.4
4153	9.5	202611.0	+3507.2	4243	9.2	203852.2	+3530.5	4333	9.1	205056.0	+3547.0	4422	8.7	210436.5	+3545.0
4154	9.4	202622.0	+3554.5	4244	9.5	203906.0	+3511.0	4334	8.8	205100.9	+3513.2	4423	9.4	210455.4	+3540.8
4155	9.5	202622.9	+3551.0	4245	9.5	203907.1	+3525.6	4335	9.5	205129.8	+3527.3	4424	9.5	210506.7	+3508.8
4156	9.4	202623.7	+3504.5	4246	9.5	203907.3	+3542.1	4336	9.4	205135.2	+3559.0	4425	9.2	210506.8	+3505.5
4157	9.5	202626.5	+3544.5	4247	9.4	203922.0	+3555.4	4337	9.5	205201.5	+3550.0	4426	6.5	210514.1	+3542.5
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4159	9.3	202646.1	+3533.0	4249	9.5	203928.9	+3501.6	4339	9.5	205219.3	+3532.3	4428	9.0	210545.2	+3536.7
4160	8.5	202655.2	+3515.2	4250	9.5	203936.6	+3520.8	4340	9.4	205225.2	+3545.0	4429	9.5	210551.7	+3515.8
4161	9.4	202717.2	+3524.6	4251	9.1	203942.0	+3559.2	4341	9.3	205237.7	+3520.3	4430	9.5	210605.8	+3510.1
4162	9.5	202720.3	+3542.6	4252	9.2	203942.2	+3538.1	4342	9.0	205251.0	+3542.5	4431	7.3	210606.7	+3502.9
4163	8.5	202732.0	+3529.8	4253	9.4	203946.9	+3518.1	4343	9.2	205332.8	+3520.5	4432	8.5	210618.3	+3533.7
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4165	9.3	202756.5	+3523.4	4255	9.4	203959.7	+3554.7	4345	9.5	205350.0	+3525.0	4434	9.4	210655.7	+3531.2
4166	9.5	202806.4	+3551.6	4256	9.5	204014.2	+3552.7	4346	9.1	205419.7	+3522.5	4435	6.8	210701.0	+3512.2
4167	9.5	202828.1	+3559.6	4257	9.3	204015.1	+3524.6	4347	9.1	205421.0	+3515.0	4436	9.4	210703.0	+3559.0
4168	9.4	202855.0	+3510.5	4258	9.1	204031.1	+3500.9	4348	9.0	205421.9	+3553.2	4437	9.1	210707.4	+3531.2
4169	9.5	202908.2	+3525.6	4259	9.3	204045.2	+3519.7	4349	9.5	205423.3	+3511.0	4438	9.5	210716.6	+3543.5
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4171	9.1	202911.3	+3557.6	4261	9.0	204101.7	+3506.1	4351	9.5	205452.1	+3545.3	4440	8.8	210723.7	+3549.4
4172	9.3	202914.2	+3532.5	4262	8.8	204106.8	+3538.0	4352							

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+35 4817 22h23m

+35 4818 22h23m

4818	8.8	222328.6	+3535.8	4908	7.3	224758.3	+3512.7	4998	9.2	231129.1	+3512.2	5088	9.5	233727.3	+3553.9
4819	9.5	222339.3	+3556.8	4909	8.2	224814.6	+3515.4	4999	8.8	231130.0	+3532.9	5089	9.4	233727.4	+3545.1
4820	9.4	222406.1	+3553.4	4910	9.5	224815.2	+3559.7	5000	9.3	231139.1	+3533.6	5090	8.4	233731.7	+3531.0
4821	9.5	222413.2	+3554.0	4911	9.1	224817.5	+3513.6	5001	7.3	231143.8	+3517.5	5091	9.2	233757.1	+3519.3
4822	8.8	222418.6	+3515.9	4912	8.0	224841.2	+3523.4	5002	8.9	231153.9	+3540.4	5092	9.4	233804.2	+3522.0
4823	9.5	222426.5	+3503.5	4913	9.2	224842.3	+3553.8	5003	9.3	231158.5	+3553.9	5093	9.3	233819.9	+3524.7
4824	9.5	222439.4	+3552.4	4914	9.3	224845.1	+3511.3	5004	9.5	231202.6	+3541.5	5094	8.8	233921.2	+3518.6
4825	8.8	222443.9	+3510.6	4915	9.4	224846.4	+3542.7	5005	9.5	231215.9	+3526.7	5095	9.5	233935.9	+3504.9
4826	9.4	222451.8	+3535.2	4916	9.1	224855.9	+3534.4	5006	9.0	231222.2	+3532.3	5096	9.5	233943.1	+3559.7
4827	9.5	222457.5	+3557.5	4917	6.0	224859.7	+3535.7	5007	6.7	231224.1	+3502.2	5097	9.5	234010.1	+3553.0
4828	9.5	222518.0	+3549.0	4918	8.6	224908.6	+3504.3	5008	9.4	231228.2	+3506.5	5098	9.0	234016.3	+3528.2
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4830	9.3	222537.5	+3558.6	4920	9.5	224932.1	+3524.7	5010	9.4	231337.8	+3532.9	5100	9.3	234026.1	+3518.6
4831	9.2	222539.2	+3506.3	4921	9.5	224932.5	+3555.4	5011	9.5	231351.3	+3545.6	5101	9.5	234040.7	+3548.1
4832	9.5	222542.0	+3500.4	4922	9.5	224939.2	+3531.4	5012	6.7	231422.7	+3542.4	5102	8.5	234048.8	+3508.8
4833	9.3	222551.5	+3506.6	4923	9.5	224956.2	+3519.9	5013	9.4	231430.8	+3513.0	5103	9.4	234107.7	+3530.5
4834	9.5	222558.1	+3536.6	4924	7.8	224959.4	+3514.0	5014	9.0	231434.1	+3503.7	5104	8.5	234111.9	+3508.0
4835	9.4	222618.6	+3527.0	4925	9.5	225012.1	+3502.8	5015	8.4	231445.4	+3547.7	5105	9.4	234113.7	+3558.2
4836	8.7	222657.7	+3556.6	4926	7.8	225015.6	+3542.9	5016	9.5	231455.7	+3524.1	5106	8.4	234114.6	+3519.0
4837	8.4	222717.4	+3507.7	4927	9.5	225029.7	+3521.6	5017	9.5	231502.2	+3519.0	5107	7.0	234119.1	+3528.1
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4840	8.3	222905.6	+3536.8	4930	7.8	225129.6	+3525.0	5020	8.0	231529.9	+3540.9	5110	5.9	234223.9	+3537.6
4841	8.6	222914.4	+3527.6	4931	9.4	225141.5	+3532.3	5021	9.5	231548.1	+3502.8	5111	9.4	234238.8	+3552.8
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4851	9.5	223147.2	+3548.9	4941	8.5	225354.9	+3520.2	5031	9.5	232019.9	+3511.8	5121	9.1	234413.6	+3547.7
4852	9.5	223149.8	+3520.6	4942	9.1	225402.8	+3502.4	5032	9.5	232057.1	+3530.3	5122	9.1	234428.3	+3540.1
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4876	9.3	223901.0	+3536.3	4966	9.5	230259.9	+3543.3	5056	9.2	232816.3	+3556.6	5146	9.5	235159.6	+3537.1
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2895	9.5	170000.0	+3459.2	2985	9.5	172544.0	+3431.7	3074	9.5	174838.7	+3427.9	3163	8.4	181115.5	+3445.0
2896	9.1	170022.5	+3404.3	2986	9.5	172624.6	+3407.0	3075	7.8	174847.9	+3442.5	3164	9.5	181116.4	+3458.6
2897	8.5	170037.5	+3417.0	2987	9.3	172629.5	+3431.1	3076	8.5	174853.6	+3412.5	3165	9.5	181119.8	+3452.5
2898	9.2	170118.9	+3411.2	2988	9.2	172641.1	+3455.9	3077	8.5	174857.6	+3445.6	3166	9.5	181133.6	+3419.1
2899	8.3	170126.4	+3407.4	2989	6.5	172649.6	+3423.2	3078	9.0	174911.9	+3441.5	3167	9.0	181145.4	+3447.7
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2901	9.3	170148.5	+3419.1	2991	7.7	172836.2	+3439.4	3080	9.5	175025.5	+3429.1	3169	9.4	181152.5	+3400.4
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4311	9.5	210355.2	+3429.3	4400	9.5	211651.1	+3401.1	4488	9.1	213408.4	+3445.1	4578	9.3	215259.4	+3443.5
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4343	8.5	210814.1	+3432.0	4432	9.2	212316.1	+3449.1	4520	9.5	214003.5	+3425.2	4609	9.5	220252.9	+3417.2
4344	9.2	210816.4	+3436.2	4433	9.5	212329.1	+3400.3	4521	9.5	214032.9	+3405.1	4610	7.5	220301.6	+3423.8
4345	9.5	210817.8	+3429.7	4434	9.0	212330.7	+3404.5	4522	9.3	214047.5	+3402.0	4611	8.0	220309.3	+3439.7
4346	9.3	210820.4	+3438.2	4435	9.3	212331.8	+3426.1	4523	9.3	214054.9	+3435.5	4612	9.5	220310.9	+3456.3
4347	7.8	210827.3	+3410.3	4436	7.0	212405.3	+3450.1	4524	9.3	214107.6	+3410.0	4613	9.3	220335.2	+3453.8
4348	9.2	210830.0	+3432.2	4437	8.4	212418.9	+3425.4	4525	9.2	214112.5	+3413.0	4614	6.8	220345.3	+3429.9
4349	9.2	210831.6	+3440.7	4438	9.0	212425.1	+3402.9	4526	9.0	214117.3	+3449.7	4615	9.5	220408.8	+3432.7
4350	8.9	210834.1	+3401.7	4439	9.5	212435.8	+3448.1	4527	9.2	214122.1	+3453.0	4616	8.8	220434.3	+3424.8
4351	9.5	210838.8	+3458.1	4439a	9.5	212436.0	+3407.9	4528	9.5	214122.4	+3409.7	4617	9.5	220454.5	+3451.0
4352	9.5	210905.0	+3437.2	4440	9.5	212440.6	+3407.8	4529	9.5	214124.4	+3407.0	4618	9.5	220520.2	+3439.3
4353	9.5	210911.8	+3435.0	4441	9.4	212444.2	+3408.0	4530	8.3	214146.9	+3449.4	4619	8.5	220601.1	+3404.2
4354	9.2	210931.1	+3446.1	4442	9.5	212444.7	+3401.2	4531	9.5	214229.4	+3423.0	4620	8.8	220617.3	+3417.9
4355	9.3	210943.4	+3455.3	4443	9.5	212505.0	+3446.1	4532	9.2	214238.2	+3450.0	4621	9.4	220620.0	+3457.0
4356	9.3	210946.3	+3418.9	4444	9.5	212511.9	+3434.2	4533	9.4	214239.4	+3445.2	4622	9.5	220625.6	+3444.1
4357	8.8	210947.0	+3432.8	4445	9.5	212531.8	+3407.0	4534	9.5	214258.2	+3454.3	4623	9.3	220626.5	+3429.6
4358	8.3	210950.3	+3416.7	4446	9.0	212532.3	+3455.8	4535	9.4	214258.7	+3459.7	4624	9.3	220646.5	+3407.8
4359	9.1	210955.2	+3415.2	4447	9.3	212532.3	+3411.3	4536	9.3	214304.2	+3410.6	4625	9.3	220655.6	+3415.0
4360	9.5	210958.8	+3425.3	4448	9.4	212536.9	+3456.6	4537	9.5	214306.4	+3437.3	4626	9.4	220657.0	+3411.8
4361	7.9	211009.5	+3401.8	4449	9.5	212546.2	+3414.0	4538	9.5	214321.9	+3413.1	4627	9.5	220707.7	+3419.2
4362	8.5	211012.4	+3458.9	4450	9.5	212552.0	+3410.0	4539	9.5	214326.0	+3451.8	4628	9.5	220731.4	+3406.3
4363	9.3	211036.0	+3418.4	4451	9.5	212603.0	+3420.3	4540	7.5	214336.5	+3414.6	4629	9.5	220741.6	+3431.7
4364	9.5	211040.9	+3450.3	4452	8.7	212632.3	+3407.2	4541	9.5	214350.5	+3425.2	4630	9.5	220754.0	+3412.6
4365	9.5	211045.3	+3404.6	4453	9.5	212647.2	+3434.5	4542	7.7	214353.1	+3408.2	4631	9.0	220814.9	+3454.6
4366	9.5	211047.0	+3459.7	4454	9.3	212648.8	+3449.7	4543	9.4	214406.4	+3423.8	4632	9.5	220823.1	+3415.6
4367	9.5	211101.3	+3417.2	4455	9.5	212718.9	+3456.9	4544	9.3	214407.0	+3410.2	4633	9.2	220853.5	+3405.6
4368	9.4	211101.3	+3437.7	4456	9.3	212743.8	+3448.3	4545	9.4	214518.8	+3422.0	4634	9.2	220857.4	+3404.0
4369	9.5	211116.2	+3441.9	4457	9.1	212758.3	+3451.8	4546	9.0	214522.7	+3440.2	4635	8.8	220902.0	+3410.8
4370	8.0	211137.1	+3443.1	4458	9.4	212814.0	+3422.1	4547	8.9	214528.9	+3444.1	4636	9.2	220902.8	+3406.5
4371	4.2	211159.0	+3417.4	4459	9.4	212830.1	+3438.4	4548	9.3	214542.3	+3440.8	4637	8.6	220912.9	+3423.4
4372	9.4	211217.4	+3425.6	4460	9.3	212831.0	+3424.1	4549	9.0	214555.9	+3453.1	4638	8.1	220918.8	+3449.3
4373	8.7	211221.2	+3418.9	4461	7.8	212909.9	+3433.0	4550	9.5	214616.6	+3455.7	4639	9.2	220923.2	+3404.9
4374	8.5	211306.3	+3418.5	4462	7.7	212914.3	+3410.9	4551	8.7	214618.6	+3430.0	4640	9.3	220934.7	+3450.3
4375	9.0	211308.6	+3450.4	4463	8.5	212927.2	+3408.0	4552	9.5	214700.7	+3443.0	4641	9.1	220951.9	+3406.3
4376	9.4	211312.0	+3442.0	4464	9.1	212930.6	+3415.5	4553	9.5	214719.6	+3457.0	4642	9.0	221007.4	+3436.2
4377	9.3	211313.4	+3431.9	4465	9.4	212942.5	+3417.2	4554	9.4	214733.6	+3423.0	4643	9.5	221011.5	+3420.0
4378	9.3	211321.3	+3429.8	4465a	9.2	212949.9	+3406.7	4555	9.4	214742.0	+3421.8	4644	9.3	221025.2	+3446.2
4378a	9.5	211344.3	+3451.0	4466	9.4	213000.0	+3407.0	4556	9.0	214742.2	+3410.8	4645	8.1	221034.3	+3439.0
4379	9.4	211344.8	+3444.6	4467	8.3	213006.5	+3421.6	4557	8.2	214750.0	+3431.9	4646	9.3	221131.1	+3458.9
4380	9.5	211346.3	+3425.1	4468	9.0	213007.0	+3422.7	4558	9.5	214754.5	+3429.1	4647	9.5	221143.6	+3457

+34 4665 22h15m

+34 5024 23h45m

4665 9.5 221553.7 +3404.5	4755 8.6 223549.8 +3455.4	4845 9.5 230010.2 +3430.4	4935 9.5 232128.3 +3442.0
4666 9.2 221555.2 +3400.7	4756 9.0 223605.3 +3443.3	4846 9.4 230011.0 +3418.8	4936 8.9 232200.0 +3441.7
4667 9.5 221612.2 +3443.5	4757 8.0 223624.6 +3434.2	4847 6.5 230012.4 +3450.9	4937 9.4 232234.8 +3419.6
4668 9.1 221618.4 +3434.5	4758 9.5 223700.2 +3457.9	4848 9.5 230105.8 +3425.7	4938 7.2 232248.0 +3412.3
4669 9.1 221633.0 +3417.3	4759 9.5 223732.8 +3434.0	4849 7.9 230132.4 +3416.1	4939 9.0 232256.1 +3439.0
4670 8.6 221649.3 +3416.5	4760 9.5 223741.9 +3455.8	4850 9.5 230159.2 +3407.0	4940 9.5 232320.5 +3452.5
4671 9.4 221708.8 +3450.0	4761 9.5 223753.5 +3453.3	4851 9.0 230224.0 +3400.8	4941 9.0 232346.1 +3447.3
4672 7.8 221729.0 +3423.0	4762 9.3 223801.0 +3408.9	4852 9.5 230253.3 +3443.0	4942 9.5 232414.7 +3425.5
4673 9.5 221754.1 +3401.2	4763 9.5 223819.1 +3441.2	4853 9.5 230304.0 +3400.3	4943 9.5 232422.6 +3455.7
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4675 8.7 221810.5 +3451.3	4765 9.3 223915.4 +3403.2	4855 9.4 230317.3 +3452.4	4945 9.0 232434.6 +3436.9
4676 9.5 221820.6 +3429.3	4766 7.5 223919.8 +3454.6	4856 8.4 230325.9 +3410.9	4946 9.5 232441.2 +3423.0
4677 9.5 221843.7 +3406.2	4767 9.2 223921.4 +3401.0	4857 9.3 230349.9 +3446.8	4947 7.8 232514.5 +3431.7
4678 8.9 221853.9 +3427.5	4768 9.5 223969.6 +3424.2	4858 9.4 230352.8 +3402.6	4948 6.5 232517.6 +3410.0
4679 9.4 221856.8 +3451.8	4769 9.0 224003.5 +3418.3	4859 9.5 230418.5 +3432.2	4949 9.4 232535.4 +3444.4
4680 9.0 221905.4 +3458.4	4770 8.3 224005.6 +3439.8	4860 9.1 230424.4 +3451.0	4950 9.5 232543.8 +3449.7
4681 8.4 221923.6 +3437.2	4771 8.8 224057.2 +3455.3	4861 8.6 230425.3 +3416.4	4951 8.2 232600.3 +3445.1
4682 9.4 221934.0 +3403.3	4772 9.2 224206.1 +3436.3	4862 9.4 230453.0 +3408.8	4952 9.5 232611.8 +3451.6
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4684 8.7 221948.1 +3457.5	4774 9.2 224305.2 +3404.3	4864 8.9 230505.0 +3455.2	4954 9.5 232742.3 +3441.8
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4687 9.5 222042.6 +3453.1	4777 9.2 224441.3 +3410.2	4867 9.0 230525.1 +3408.7	4957 9.5 232803.9 +3406.8
4688 9.0 222048.0 +3434.1	4778 8.2 224523.9 +3447.2	4868 9.4 230533.0 +3445.9	4958 8.8 232821.6 +3453.9
4689 9.4 222048.2 +3410.8	4779 9.4 224525.1 +3440.5	4869 8.9 230545.9 +3456.5	4959 8.8 232823.6 +3451.2
4690 8.8 222105.0 +3400.8	4780 9.4 224534.3 +3425.2	4870 8.4 230629.6 +3458.4	4960 9.0 232853.8 +3418.0
4691 8.8 222116.1 +3447.6	4781 7.2 224548.3 +3434.3	4871 9.2 230639.4 +3422.9	4961 9.5 232920.0 +3427.1
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4693 9.5 222147.7 +3449.2	4783 9.5 224604.6 +3445.7	4873 8.4 230702.4 +3432.9	4963 9.2 232939.6 +3407.7
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4695 9.5 222211.4 +3429.8	4785 9.5 224645.6 +3431.4	4875 7.5 230735.5 +3413.3	4965 9.4 232949.1 +3408.2
4696 9.5 222223.5 +3436.5	4786 9.4 224658.7 +3402.7	4876 9.5 230739.0 +3418.1	4966 8.0 232952.9 +3458.7
4697 9.5 222226.9 +3441.5	4787 9.5 224724.2 +3453.4	4877 8.5 230752.5 +3409.9	4967 9.5 233036.9 +3419.5
4698 9.1 222239.3 +3417.9	4788 9.4 224756.2 +3417.1	4878 8.4 230757.4 +3441.8	4968 8.7 233045.6 +3446.0
4699 9.2 222308.9 +3410.3	4789 9.5 224806.1 +3426.4	4879 9.5 230800.9 +3413.8	4969 9.5 233045.8 +3453.3
4700 6.5 222314.5 +3459.4	4790 8.5 224821.7 +3439.5	4880 9.5 230820.9 +3447.6	4970 9.0 233102.9 +3447.4
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4702 9.5 222334.8 +3409.2	4792 9.5 224836.6 +3422.5	4882 9.5 230857.5 +3414.1	4972 6.5 233123.3 +3413.2
4703 9.5 222336.5 +3403.9	4793 9.2 224903.0 +3442.3	4883 6.6 230902.9 +3436.6	4973 7.9 233127.2 +3443.3
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4705 9.5 222424.2 +3457.9	4795 9.5 224913.5 +3445.8	4885 9.4 230914.8 +3429.4	4975 8.5 233141.9 +3427.0
4706 9.5 222458.3 +3451.8	4796 9.4 224915.7 +3405.5	4886 8.8 230920.3 +3425.5	4976 9.1 233156.8 +3446.7
4707 9.1 222504.5 +3424.5	4797 8.0 224922.9 +3455.4	4887 8.3 230950.1 +3409.9	4977 9.5 2332 2.9 +3420.4
4708 9.5 222529.4 +3444.2	4798 9.5 224943.7 +3457.6	4888 9.4 231004.0 +3455.9	4978 9.5 233210.8 +3420.8
4709 9.5 222554.7 +3429.8	4799 9.5 225014.5 +3453.1	4889 9.3 231011.0 +3401.3	4979 7.2 233238.5 +3408.8
4710 9.3 222557.2 +3414.9	4800 7.6 225020.1 +3408.2	4890 9.5 231014.9 +3447.7	4980 9.4 233240.3 +3440.8
4711 9.2 222601.3 +3409.4	4801 9.3 225035.6 +3440.8	4891 9.5 231052.8 +3455.1	4981 9.5 233253.3 +3428.3
4712 9.5 222615.4 +3452.8	4802 8.8 225041.8 +3429.4	4892 9.5 231057.9 +3446.9	4982 8.9 233251.0 +3441.1
4713 9.5 222617.0 +3408.1	4803 9.2 225053.9 +3447.1	4893 9.5 231103.8 +3420.5	4983 9.5 23332 6 +3417.0
4714 7.5 222624.2 +3441.6	4804 9.1 225055.6 +3449.4	4894 9.5 231120.8 +3420.7	4984 9.5 23332 6 +3453.2
4715 9.5 222625.9 +3407.1	4805 9.5 225055.7 +3412.1	4895 9.5 231134.7 +3409.6	4985 9.5 233322.3 +3446.7
4716 9.5 222650.3 +3424.0	4806 9.0 225126.4 +3432.9	4896 9.5 231137.4 +3434.3	4986 9.5 233424.4 +3429.4
4717 9.5 222656.2 +3446.4	4807 7.0 225138.7 +3430.6	4897 9.5 231138.9 +3401.4	4987 9.5 233430.6 +3454.0
4718 9.5 222745.8 +3429.7	4808 6.5 225144.8 +3402.4	4898 9.4 231148.3 +3432.7	4988 9.5 233434.3 +3459.8
4719 9.1 222755.5 +3457.3	4809 9.4 225157.8 +3437.7	4899 6.4 231226.6 +3400.2	4989 9.5 233447.7 +3431.1
4720 9.4 222808.1 +3436.8	4810 9.5 225229.1 +3424.2	4900 9.5 231227.3 +3443.5	4990 9.1 233508.9 +3406.3
4721 9.5 222817.7 +3406.3	4811 9.4 225233.9 +3419.7	4901 9.2 231311.9 +3447.6	4991 9.5 233528.3 +3416.6
4722 9.5 222836.8 +3420.5	4812 9.5 225238.1 +3435.8	4902 9.4 231345.5 +3450.6	4992 9.4 233608.8 +3408.7
4723 9.5 222900.9 +3418.8	4813 9.4 225247.9 +3437.8	4903 9.2 231405.5 +3423.4	4993 9.5 233629.2 +3401.7
4724 9.5 222906.7 +3405.4	4814 9.5 225311.3 +3420.8	4904 8.3 231411.8 +3439.0	4994 9.5 233641.8 +3411.8
4725 9.5 222914.1 +3440.2	4815 9.0 225323.1 +3408.5	4905 9.5 231507.2 +3408.7	4995 9.5 233645.3 +3451.8
4726 9.0 222920.3 +3434.4	4816 9.5 225329.6 +3412.0	4906 9.5 231534.5 +3415.1	4996 9.0 233708.4 +3407.0
4727 9.5 222927.8 +3422.3	4817 8.1 225336.4 +3459.9	4907 8.5 231550.8 +3407.2	4997 9.2 233723.8 +3405.9
4728 6.3 222934.5 +3450.2	4818 9.0 225401.1 +3435.3	4908 9.5 231556.4 +3458.3	4998 9.3 233803.3 +3431.5
4729 6.5 223014.2 +3454.4	4819 9.3 225440.8 +3429.6	4909 9.5 231612.5 +3454.9	4999 9.5 233829.8 +3439.1
4730 8.5 223015.9 +3423.6	4820 9.0 225457.4 +3442.4	4910 9.4 231623.7 +3403.3	5000 9.2 233833.3 +3411.9
4731 8.4 223036.0 +3410.3	4821 9.2 225518.9 +3428.4	4911 9.5 231628.5 +3451.7	5001 9.5 233841.3 +3411.5
4732 9.5 223040.3 +3459.2	4822 9.5 225526.8 +3420.2	4912 9.0 231629.2 +3435.2	5002 8.9 233852.1 +3427.0
4733 8.7 223114.9 +3439.7	4823 9.1 225531.0 +3400.3	4913 9.4 231639.9 +3410.7	5003 9.4 233857.3 +3435.0
4734 9.5 223139.9 +3410.0	4824 9.1 225535.7 +3439.6	4914 9.4 231649.8 +3438.3	5004 9.5 233935.3 +3451.5
4735 9.4 223143.5 +3414.3	4825 9.5 225553.8 +3448.0	4915 9.0 231650.1 +3408.2	5005 9.5 233937.6 +3455.2
4736 9.2 223206.2 +3445.5	4826 9.5 225602.1 +3444.5	4916 7.0 231711.5 +3432.1	5006 9.5 233942.3 +3459.5
4737 9.0 223231.4 +3405.7	4827 9.3 225616.3 +3415.6	4917 9.0 231712.4 +3442.4	5007 9.5 233949.3 +3449.7
4738 9.1 223239.7 +3401.8	4828 9.4 225704.3 +3424.0	4918 9.5 231740.6 +3458.7	5008 9.4 233954.4 +3427.4
4739 8.9 223248.9 +3439.5	4829 9.4 225719.4 +3429.8	4919 9.4 231747.4 +3433.0	5009 9.5 233955.3 +3450.7
4740 9.1 223301.2 +3426.3	4830 9.2 225745.5 +3413.9	4920 9.1 231756.9 +3428.4	5010 9.5 234011.5 +3427.7
4741 9.5 223335.0 +3405.0	4831 9.2 225758.1 +3432.8	4921 9.5 231806.5 +3410.1	5011 9.1 234020.9 +3402.0
4742 8.5 223339.9 +3448.8	4832 9.5 225800.8 +3408.1	4922 9.4 231815.7 +3440.0	5012 9.5 234158.8 +3466.7
4743 9.2 223400.7 +3426.2	4833 9.3 225805.0 +3418.3	4923 9.5 231876.9 +3446.2	5013 9.0 234208.4 +3451.9
4744 9.1 223401.4 +3447.9	4834 9.0 225808.2 +3416.8	4924 9.5 231831.7 +3457.6	5014 9.0 234217.2 +3448.4
4745 9.2 223409.6 +3424.8	4835 9.5 225819.8 +3409.2	4925 9.5 231843.7 +3457.6	5015 9.3 234228.7 +3418.3
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343	9.1	15333.3	+3305.2	433	7.7	21821.4	+3316.5	523	9.5	24057.7	+3323.6	613	9.4	30806.4	+3305.2
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345	9.0	15357.8	+3322.5	435	9.5	21912.4	+3326.7	525	9.2	24106.7	+3303.4	615	8.5	30835.6	+3334.8
346	9.5	15407.6	+3321.2	436	7.7	21932.1	+3332.5	526	8.6	24111.7	+3312.8	616	9.1	30847.0	+3322.0
347	8.1	15411.0	+3304.3	437	9.5	21936.5	+3346.3	527	9.5	24155.6	+3346.2	617	9.3	30910.0	+3338.7
348	8.4	15414.9	+3357.4	438	9.5	22000.0	+3323.6	528	9.4	24233.9	+3353.6	618	9.3	30930.9	+3325.3
349	9.4	15425.1	+3339.2	439	9.5	22004.6	+3342.6	529	9.4	24301.5	+3349.9	619	5.0	30941.9	+3340.7
350	9.5	15448.8	+3311.4	440	9.0	22014.8	+3302.4	530	9.5	24333.2	+3300.3	620	9.3	30952.0	+3338.2
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352	9.3	15502.2	+3309.9	442	9.5	22051.5	+3353.8	532	9.5	24420.7	+3337.9	622	9.3	31034.1	+3305.4
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355	9.5	15539.9	+3303.6	445	6.5	22135.7	+3311.3	535	9.4	24456.2	+3307.9	625	9.3	31148.6	+3311.3
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359	9.5	15634.7	+3316.7	449	9.1	22258.2	+3327.6	539	9.5	24552.0	+3324.4	629	9.2	31358.6	+3326.5
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361	9.0	15751.1	+3312.1	451	9.5	22321.5	+3349.9	541	9.2	24647.4	+3344.8	631	9.1	31406.7	+3338.9
362	8.9	15817.2	+3332.4	452	9.5	22348.4	+3312.1	542	8.4	24651.5	+3353.5	632	8.2	31434.0	+3353.2
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1035	9.3	51531.4	+3310.6	1124	9.2	53307.9	+3353.3	1214	9.0	55204.8	+3345.2	1303	9.2	61155.8	+3321.5
1036	9.5	51539.9	+3333.8	1125	9.4	53308.8	+3359.8	1215	9.2	55210.8	+3346.7	1304	9.3	61159.6	+3351.9
1037	9.5	51559.7	+3306.6	1126	8.8	53316.7	+3317.7	1216	9.5	55219.6	+3333.1	1305	9.4	61155.9	+3319.8
1038	9.1	51602.5	+3314.0	1127	7.1	53325.6	+3314.2	1217	8.8	55227.9	+3315.6	1306	9.2	61157.7	+3302.5
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1043	9.5	51710.1	+3358.0	1132	9.5	53425.4	+3359.0	1222	9.5	55345.6	+3307.6	1311	9.5	61308.6	+3302.2
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1045	6.5	51720.2	+3307.6	1134	7.7	53440.5	+3301.6	1224	9.3	55359.3	+3313.7	1313	9.2	61339.6	+3302.3
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1048	9.5	51748.3	+3358.3	1137	7.5	53518.4	+3358.9	1227	9.5	55405.1	+3300.8	1316	9.5	61535.7	+3311.1
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1049	7.1	51812.2	+3349.0	1139	7.0	53532.5	+3333.2	1229	9.0	55429.2	+3344.5	1318	8.4	61601.8	+3319.0
1050	9.5	51814.8	+3346.0	1140	9.2	53541.4	+3339.4	1230	8.9	55455.8	+3337.6	1319	9.5	61609.4	+3307.8
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1053	6.8	51826.9	+3338.3	1143	9.4	53620.2	+3308.3	1233	9.5	55515.4	+3350.5	1322	9.1	61738.7	+3335.5
1054	9.5	51830.0	+3309.0	1144	9.3	53621.1	+3338.7	1234	9.2	55535.7	+3349.7	1323	8.7	61809.8	+3312.3
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1057	9.4	51850.9	+3359.7	1147	9.4	53713.9	+3316.0	1237	9.4	55603.8	+3321.2	1326	8.5	61834.8	+3304.2
1058	9.3	51907.3	+3349.2	1148	9.3	53727.5	+3337.6	1238	9.4	55622.3	+3330.1	1327	8.9	61840.8	+3349.2
1059	9.3	51911.8	+3329.4	1149	9.1	53752.0	+3355.1	1239	9.5	55628.2	+3345.7	1328	8.9	61852.8	+3314.4
1060	9.5	51925.2	+3316.8	1150	9.4	53827.1	+3327.5	1240	8.3	55629.8	+3315.3	1329	8.7	61903.0	+3325.2
1061	9.5	51945.8	+3304.7	1151	9.5	53829.5	+3322.6	1241	9.4	55636.2	+3346.2	1330	9.5	61931.6	+3307.9
1062	8.8	52003.5	+3310.1	1152	8.5	53841.6	+3313.7	1242	9.4	55704.5	+3333.3	1331	9.5	61935.8	+3325.2
1063	9.0	52006.5	+3321.0	1153	9.4	53846.3	+3346.3	1243	9.2	55705.9	+3349.4	1332	8.1	62014.6	+3314.0
1064	8.9	52007.5	+3319.8	1154	9.5	53846.9	+3331.2	1244	8.2	55732.8	+3303.7	1333	9.3	62020.8	+3302.4
1065	7.7	52013.5	+3313.2	1155	9.5	53857.8	+3324.5	1245	9.2	55752.7	+3347.9	1334	9.3	62035.3	+3312.1
1066	9.3	52016.1	+3355.3	1156	9.5	53923.7	+3350.9	1246	9.4	55836.8	+3306.1	1335	9.4	62101.3	+3313.6
1067	9.5	52022.8	+3347.6	1157	8.8	53925.6	+3312.5	1247	9.5	55850.8	+3340.7	1336	9.4	62137.9	+3350.9
1068	9.0	52041.2	+3325.1	1158	9.4	53930.8	+3347.0	1248	9.5	55851.8	+3318.0	1337	7.8	62141.7	+3307.4
1069	9.5	52041.8	+3316.0	1159	9.3	53933.3	+3355.2	1249	9.5	55855.0	+3332.6	1338	9.5	62144.7	+3359.4
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1072	9.5	52144.4	+3335.5	1162	9.5	53948.5	+3344.7	1252	9.4	55940.9	+3332.7	1341	9.2	62217.4	+3340.8
1073	9.4	52212.0	+3332.0	1163	9.5	53953.6	+3335.0	1253	9.5	55942.0	+3322.4	1342	8.9	62241.8	+3347.0
1074	9.5	52245.2	+3306.3	1164	9.5	54016.9	+3324.2	1254	9.1	55942.7	+3345.5	1343	8.9	62245.2	+3353.7
1075	9.1	52251.3	+3317.6	1165	9.2	54039.6	+3305.4	1255	9.4	55949.3	+3319.4	1344	8.5	62300.8	+3336.4
1076	9.1	52252.3	+3347.1	1166	9.5	54114.8	+3309.3	1256	9.5	60013.8	+3305.0	1345	9.2	62304.0	+3358.9
1077	9.3	52256.8	+3338.5	1167	9.4	54137.2	+3332.5	1257	9.0	60014.8	+3307.0	1346	9.3	62307.8	+3353.7
1078	9.5	52303.7	+3302.4	1168	9.5	54147.0	+3348.0	1258	9.4	60016.8	+3306.3	1347	8.5	62308.3	+3345.5
1079	9.5	52324.5	+3347.7	1169	9.3	54151.5	+3302.8	1259	9.4	60023.2	+3353.7	1348	9.4	62324.2	+3344.8
1080	9.5	52326.6	+3358.5	1170	9.4	54156.9	+3308.1	1260	8.8	60044.1	+3318.3	1349	9.4	62328.7	+3311.7
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1083	8.3	52425.8	+3318.1	1173	9.3	54220.5	+3314.7	1263	8.9	60103.8	+3327.5	1352	9.3	62350.6	+3302.7
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1100	9.1	52733.7	+3309.5	1190	9.4	54516.7	+3323.3	1279	9.6	60415.8	+3327.7	1369	8.6	62728.8	+3345.5
1101	9.5	52742.0	+3318.9	1191	9.5	54604.4	+3313.3	1280	6.7	60428.8	+3316.5	1370	9.4	62737.9	+3347.7
1102	6.8	52812.6	+3327.8	1192	9.2	54640.6	+3314.0	1281	9.0	60515.8	+3348.6	1371	9.5	62738.0	+3330.9
1103	8.3	52815.4	+3352.1	1193	8.0	54651.3	+3311.0	1282	8.5	60535.7	+3352.3	1372	9.1	62816.8	+3304.5
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+33 1750 8h35m

+33 1751 8h35m

1751	9.5	83520.6	+3335.5	1841	9.0	91201.4	+3346.0	1931	9.5	95117.0	+3347.3	2021	9.1	103558.2	+3315.0
1752	9.2	83608.9	+3332.5	1842	9.3	91208.6	+3305.6	1932	9.5	95129.3	+3301.9	2022	7.5	103617.0	+3322.9
1753	9.4	83615.3	+3358.6	1843	9.5	91214.0	+3300.3	1933	9.5	95210.8	+3332.1	2023	9.4	103649.4	+3355.4
1754	7.5	83626.7	+3346.0	1844	9.5	91215.7	+3304.4	1934	8.5	95336.4	+3344.0	2024	7.4	103740.7	+3322.3
1755	8.8	83639.6	+3357.2	1845	9.2	91219.4	+3351.8	1935	9.3	95339.7	+3321.6	2025	9.3	103755.5	+3305.7
1756	9.4	83747.4	+3323.0	1846	8.5	91224.8	+3326.0	1936	9.5	95350.9	+3312.1	2026	9.5	103755.8	+3301.4
1757	8.8	83748.1	+3340.8	1847	9.5	91229.4	+3342.1	1937	9.4	95442.1	+3356.7	2027	9.0	103800.6	+3326.4
1758	9.3	83801.0	+3306.1	1848	6.8	91239.5	+3331.8	1938	7.0	95532.4	+3321.0	2028	9.5	103808.3	+3341.1
1759	9.5	83922.3	+3305.4	1849	9.5	91244.9	+3305.4	1939	6.9	95548.5	+3308.8	2029	9.4	103817.5	+3327.8
1760	9.4	83928.5	+3346.5	1850	8.6	91323.3	+3314.7	1940	8.1	95647.2	+3355.4	2030	9.4	103825.8	+3354.3
1761	9.3	83929.0	+3331.6	1851	9.0	91355.5	+3305.1	1941	9.4	95658.6	+3352.6	2031	8.7	103839.7	+3307.7
1762	9.3	84003.6	+3319.3	1852	7.5	91421.8	+3332.6	1942	9.5	95707.4	+3338.1	2032	9.5	103847.3	+3322.6
1763	9.4	84043.3	+3314.9	1853	7.8	91425.4	+3343.1	1943	9.5	95709.3	+3350.6	2033	9.5	103927.4	+3320.6
1764	9.5	84109.4	+3326.5	1854	8.6	91512.1	+3325.2	1944	9.5	95947.0	+3331.8	2034	9.2	103955.2	+3329.9
1765	6.3	84132.2	+3350.9	1855	9.4	91545.9	+3307.2	1945	8.7	100042.2	+3354.8	2035	9.5	103957.0	+3329.0
1766	9.4	84153.5	+3303.4	1856	9.5	91626.6	+3341.7	1946	8.5	100047.0	+3304.3	2036	9.4	104006.2	+3348.5
1767	9.0	84218.0	+3346.1	1857	9.0	91638.5	+3329.6	1947	8.2	100114.7	+3329.5	2037	8.9	104012.8	+3339.2
1768	9.5	84250.9	+3358.8	1858	9.5	91646.2	+3311.2	1948	9.5	100157.4	+3330.0	2038	9.4	104046.5	+3326.4
1769	9.5	84334.6	+3348.5	1859	7.8	91700.1	+3323.0	1949	9.2	100231.2	+3355.8	2039	8.0	104050.7	+3310.7
1770	6.0	84337.2	+3301.3	1860	8.4	91806.0	+3341.5	1950	9.4	100310.2	+3320.8	2040	9.5	104145.4	+3353.6
1771	9.4	84338.4	+3343.5	1861	9.4	91827.4	+3352.8	1951	8.2	100323.6	+3350.7	2041	9.3	104145.2	+3316.1
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1773	9.3	84349.3	+3344.5	1863	9.4	91850.3	+3338.1	1953	9.5	100416.0	+3333.5	2043	9.4	104239.1	+3347.6
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1778	9.5	84511.4	+3354.2	1868	9.1	92107.3	+3309.2	1958	9.1	100552.0	+3333.3	2048	9.5	104434.6	+3301.3
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1780	9.0	84608.5	+3331.6	1870	8.0	92115.3	+3356.7	1960	9.3	100711.7	+3305.0	2050	9.1	104442.6	+3345.4
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1782	9.3	84728.1	+3357.2	1872	9.5	92205.4	+3321.9	1962	8.2	100756.7	+3352.7	2052	9.4	104705.4	+3312.3
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1803	9.0	85647.1	+3300.6	1893	9.5	93135.6	+3358.3	1983	9.5	101708.5	+3301.6	2073	8.9	105601.0	+3355.7
1804	9.0	85659.9	+3327.5	1894	9.5	93150.4	+3358.3	1984	9.3	101720.1	+3355.1	2074	8.6	105634.3	+3346.5
1805	9.4	85718.3	+3347.9	1895	7.5	93206.2	+3338.9	1985	9.5	101723.8	+3349.0	2075	9.0	105706.2	+3336.8
1806	7.8	85742.9	+3356.5	1896	8.7	93207.1	+3359.4	1986	8.0	101724.6	+3330.6	2076	9.5	105829.5	+3329.2
1807	9.4	85809.2	+3358.8	1897	8.7	93254.2	+3342.8	1987	9.5	101724.8	+3338.9	2077	9.5	105839.3	+3355.1
1808	9.0	85901.1	+3301.2	1898	6.5	93355.1	+3339.9	1988	9.5	101731.2	+3321.5	2078	9.4	105904.1	+3321.0
1809	9.5	85904.3	+3326.0	1899	9.5	93459.5	+3308.2	1989	9.5	101740.7	+3348.5	2079	9.1	110001.3	+3306.7
1810	6.7	85913.8	+3308.5	1900	9.5	93511.6	+3311.7	1990	9.5	101743.4	+3356.5	2080	9.5	110011.5	+3313.0
1811	9.1	85946.3	+3329.4	1901	9.5	93606.4	+3356.6	1991	9.4	101857.6	+3313.6	2081	9.5	110014.2	+3328.6
1812	8.9	85958.2	+3334.4	1902	9.0	93736.9	+3345.8	1992	8.0	101916.5	+3346.7	2082	9.5	110058.4	+3314.1
1813	9.5	90021.6	+3303.2	1903	9.5	93738.0	+3304.8	1993	9.5	101922.8	+3314.5	2083	9.0	110155.5	+3337.6
1814	9.4	90040.5	+3325.0	1904	9.5	93744.5	+3321.1	1994	9.5	102044.2	+3339.3	2084	7.5	110202.0	+3319.2
1815	8.5	90042.7	+3358.9	1905	9.5	93805.5	+3356.2	1995	8.3	102055.6	+3343.1	2085	9.5	110318.1	+3326.8
1816	9.5	90129.3	+3359.7	1906	8.8	93828.4	+3349.6	1996	9.4	102213.4	+3341.0	2086	9.3	110352.5	+3311.7
1817	8.8	90224.0	+3330.9	1907	7.5	93843.1	+3326.8	1997	9.0	102218.9	+3341.1	2087	9.5	110410.8	+3311.0
1818	9.2	90228.5	+3331.9	1908	9.5	93911.6	+3356.5	1998	8.4	102234.1	+3340.0	2088	8.5	110415.8	+3323.4
1819	8.7	90259.8	+3341.9	1909	9.5	94058.2	+3301.4	1999	6.1	102337.7	+3307.1	2089	9.5	110544.1	+3319.6
1820	8.8	90311.0	+3335.9	1910	9.5	94232.7	+3356.3	2000	9.0	102359.0	+3334.6	2090	9.5	110630.1	+3303.0
1821	9.5	90455.0	+3320.1	1911	9.5	94305.8	+3341.6	2001	9.3	102404.3	+3359.4	2091	8.7	110716.7	+3347.2
1822	9.2	90501.6	+3305.3	1912	9.0	94419.3	+3326.6	2002	9.5	102426.8	+3333.1	2092	9.3	110753.0	+3322.8
1823	9.5	90511.3	+3322.8	1913	8.5	94429.5	+3359.0	2003	9.3	102546.3	+3315.2	2093	9.5	110812.9	+3313.2
1824	9.4	90514.8	+3340.3	1914	9.1	94445.2	+3344.0	200							

+33 2111 11h16m

+33 2470 14h25m

2111	9.1	111645.6	+3351.4	2201	9.5	120448.5	+3330.8	2291	9.5	125222.8	+3339.9	2381	9.1	134519.2	+3358.9
2112	9.5	111716.5	+3351.8	2202	9.5	120454.2	+3354.2	2292	9.4	125239.6	+3322.1	2382	9.0	134550.0	+3354.1
2113	9.3	111729.7	+3357.6	2203	9.5	120519.1	+3311.3	2293	8.2	125303.4	+3314.5	2383	9.5	134718.7	+3323.3
2114	9.2	111745.4	+3308.5	2204	9.1	120641.1	+3345.9	2294	9.2	125304.1	+3323.5	2384	8.0	134759.0	+3323.7
2115	9.5	111913.1	+3322.7	2205	7.0	120647.2	+3334.9	2295	9.5	125450.5	+3331.1	2385	9.5	134901.0	+3328.2
2116	7.7	111925.4	+3355.6	2206	8.7	120649.2	+3334.9	2296	7.5	125542.7	+3313.1	2386	9.3	134911.7	+3308.7
2117	9.1	112027.1	+3344.4	2207	8.8	120747.1	+3300.7	2297	9.5	125635.0	+3327.7	2387	9.5	134943.5	+3339.9
2118	9.3	112059.7	+3310.3	2208	9.5	120750.5	+3348.0	2298	8.8	125701.2	+3342.9	2388	9.3	135032.7	+3322.4
2119	9.1	112200.8	+3350.2	2209	8.2	120751.6	+3338.8	2299	9.5	125922.5	+3307.1	2389	9.0	135108.0	+3331.0
2120	9.5	112205.3	+3300.8	2210	8.6	120802.4	+3327.4	2300	9.2	125937.9	+3326.4	2390	7.7	135132.5	+3318.2
2121	9.5	112228.5	+3358.6	2211	8.8	120823.1	+3334.9	2301	9.2	125942.2	+3348.7	2391	9.0	135144.7	+3328.2
2122	9.5	112258.4	+3354.1	2212	9.5	120906.4	+3356.9	2302	9.5	130011.0	+3341.2	2392	9.5	135202.0	+3333.7
2123	7.0	112322.3	+3305.8	2213	5.0	120912.2	+3352.2	2303	9.5	130016.9	+3348.1	2393	9.5	135249.3	+3304.3
2124	9.5	112337.0	+3343.7	2214	9.5	121005.4	+3315.0	2304	9.2	130101.6	+3345.3	2394	9.1	135259.8	+3359.6
2125	9.5	112349.5	+3312.4	2215	9.5	121005.6	+3349.7	2305	9.5	130132.7	+3347.0	2395	8.0	135244.2	+3311.7
2126	9.5	112402.0	+3322.3	2216	9.5	121009.7	+3333.6	2306	9.5	130323.7	+3322.3	2396	8.4	135250.5	+3317.1
2127	9.2	112450.6	+3345.0	2217	9.0	121041.3	+3330.9	2307	8.6	130439.8	+3304.1	2397	9.4	135210.4	+3304.6
2128	9.3	112522.7	+3336.7	2218	9.5	121050.9	+3316.5	2308	9.4	130444.0	+3313.2	2398	9.3	135181.7	+3331.9
2129	7.7	112529.0	+3355.4	2219	7.2	121112.1	+3333.0	2309	9.1	130513.3	+3328.1	2399	9.0	135232.7	+3331.6
2130	9.5	112530.7	+3359.5	2220	9.2	121118.2	+3339.3	2310	9.5	130616.6	+3329.5	2400	9.3	135234.1	+3332.6
2131	9.5	112852.3	+3318.2	2221	9.1	121147.9	+3333.3	2311	7.0	130658.2	+3318.1	2401	9.2	135604.5	+3343.0
2132	9.4	112903.4	+3335.7	2222	9.5	121219.4	+3327.8	2312	5.3	130721.1	+3310.4	2402	7.7	135650.2	+3331.4
2133	8.8	113002.5	+3354.5	2223	9.5	121249.3	+3331.6	2313	5.5	130733.3	+3304.6	2403	9.5	135704.5	+3312.8
2134	9.4	113027.0	+3334.4	2224	9.5	121409.3	+3342.1	2314	9.1	130751.5	+3340.7	2404	9.5	135711.7	+3309.6
2135	9.3	113104.8	+3325.1	2225	7.7	121446.8	+3353.7	2315	9.3	130753.2	+3356.6	2405	9.5	135717.5	+3309.6
2136	9.3	113113.4	+3326.1	2226	8.9	121451.9	+3309.6	2316	9.0	130840.1	+3304.8	2406	9.5	135717.9	+3303.4
2137	9.4	113123.9	+3313.1	2227	8.9	121507.2	+3325.7	2317	9.3	130948.4	+3314.7	2407	9.5	135749.6	+3357.0
2138	9.5	113211.9	+3321.3	2228	9.1	121519.6	+3306.2	2318	9.2	130949.6	+3306.2	2408	9.4	135824.2	+3326.1
2139	8.8	113255.6	+3329.9	2229	9.2	121553.0	+3344.4	2319	8.9	131027.0	+3305.5	2409	9.4	135849.2	+3309.6
2140	9.1	113309.5	+3312.3	2230	9.0	121557.0	+3345.1	2320	7.5	131032.3	+3315.7	2410	8.9	135855.1	+3305.6
2141	9.3	113334.8	+3307.2	2231	9.4	121625.6	+3347.1	2321	9.2	131100.7	+3321.9	2411	9.5	140004.0	+3327.2
2142	8.5	113349.0	+3303.0	2232	9.5	121659.0	+3304.3	2322	9.2	131114.0	+3314.2	2412	9.5	140021.8	+3330.7
2143	9.4	113414.5	+3302.0	2233	9.5	121746.1	+3300.5	2323	9.1	131136.6	+3337.0	2413	9.3	140049.7	+3317.2
2144	9.4	113430.2	+3339.5	2234	9.5	121753.5	+3333.1	2324	8.5	131139.8	+3332.3	2414	9.1	140102.7	+3330.2
2145	8.1	113510.2	+3330.9	2235	9.1	121858.3	+3346.8	2325	9.5	131246.5	+3357.0	2415	9.5	140104.3	+3356.0
2146	9.2	113540.5	+3301.9	2236	9.4	121953.9	+3355.4	2326	9.2	131314.7	+3330.8	2416	8.8	140230.5	+3338.2
2147	8.8	113619.1	+3322.0	2237	9.5	122031.9	+3350.0	2327	9.3	131316.5	+3347.0	2417	9.4	140327.3	+3305.2
2148	9.1	113658.3	+3319.2	2238	8.8	122039.0	+3316.6	2328	9.4	131326.9	+3303.0	2418	9.5	140334.2	+3352.0
2149	9.3	113659.9	+3324.1	2239	9.5	122059.4	+3329.6	2329	9.0	131353.7	+3329.5	2419	9.5	140341.0	+3305.3
2150	9.5	113742.1	+3355.0	2240	9.0	122131.4	+3343.1	2330	9.4	131437.9	+3328.0	2420	9.3	140406.4	+3302.1
2151	9.4	113825.9	+3343.7	2241	9.1	122143.2	+3357.9	2331	9.5	131450.9	+3338.7	2421	9.5	140406.9	+3327.2
2152	9.1	113846.4	+3350.9	2242	9.1	122143.5	+3343.8	2332	9.0	131538.4	+3318.2	2422	9.2	140513.3	+3334.5
2153	9.3	113922.5	+3350.1	2243	9.3	122212.8	+3310.4	2333	9.5	131705.0	+3315.7	2423	9.5	140519.5	+3313.5
2154	9.5	113958.1	+3352.7	2244	7.3	122421.5	+3349.5	2334	9.5	131738.2	+3357.3	2424	9.4	140526.6	+3324.0
2155	9.0	140000.8	+3347.2	2245	9.5	122436.1	+3335.1	2335	9.5	131754.8	+3302.8	2425	9.3	140544.5	+3354.1
2156	7.8	140202.5	+3316.9	2246	9.5	122520.0	+3311.7	2336	9.3	131927.5	+3311.2	2426	9.5	140605.8	+3358.6
2157	9.5	140216.0	+3356.7	2247	9.5	122522.1	+3340.8	2337	8.8	131954.3	+3320.4	2427	9.2	140646.9	+3337.9
2158	9.5	140233.5	+3307.3	2248	8.6	122702.4	+3310.1	2338	9.5	132028.0	+3328.8	2428	9.5	140740.1	+3313.5
2159	9.4	140242.4	+3311.7	2249	9.5	122716.3	+3310.5	2339	9.5	132058.7	+3303.2	2429	8.8	140748.2	+3326.9
2160	9.5	140327.5	+3301.4	2250	9.5	122802.6	+3315.8	2340	8.7	132103.2	+3345.4	2430	8.8	140753.0	+3324.1
2161	8.3	114337.5	+3317.1	2251	8.8	122812.4	+3310.7	2341	8.3	132118.9	+3320.5	2431	8.4	140803.1	+3341.7
2162	9.0	114347.0	+3359.7	2252	9.5	122830.3	+3316.5	2342	8.4	132205.3	+3357.8	2432	9.5	140851.7	+3328.3
2163	9.5	114403.5	+3310.9	2253	9.5	122835.7	+3316.7	2343	8.7	132250.0	+3355.0	2433	8.9	140956.5	+3316.3
2164	9.5	114507.6	+3340.0	2254	9.5	122924.7	+3318.4	2344	8.1	132433.0	+3315.2	2434	9.1	140957.0	+3317.3
2165	9.3	114625.1	+3339.8	2255	9.1	122939.5	+3342.0	2345	9.3	132459.2	+3340.2	2435	9.0	141033.1	+3321.5
2166	9.4	114659.5	+3316.0	2256	9.5	122948.6	+3324.2	2346	9.5	132553.5	+3359.2	2436	7.3	141134.0	+3355.7
2167	9.5	114713.6	+3358.3	2257	8.3	122956.7	+3349.5	2347	9.0	132632.7	+3316.5	2437	9.5	141152.2	+3323.5
2168	9.5	114741.1	+3312.3	2258	8.3	123041.0	+3320.0	2348	9.1	132657.8	+3309.0	2438	9.5	141201.3	+3350.0
2169	9.5	114741.1	+3327.0	2259	9.5	123114.1	+3324.2	2349	7.8	132712.4	+3305.3	2439	9.3	141212.7	+3300.1
2170	9.5	114807.5	+3314.0	2260	9.5	123329.6	+3345.9	2350	9.0	132728.9	+3357.1	2440	9.5	141231.9	+3354.4
2171	9.3	114843.8	+3342.5	2261	8.1	123500.4	+3359.9	2351	9.1	132732.0	+3312.7	2441	9.4	141235.2	+3322.1
2172	8.0	114916.2	+3300.6	2262	20.0	123502.1	+3319.3	2352	9.5	132751.2	+3321.7	2442	9.5	141311.3	+3309.7
2173	9.1	114945.2	+3359.6	2263	9.4	123600.8	+3358.9	2353	8.6	132758.0	+3353.9	2443	9.4	141347.0	+3302.2
2174	6.7	115029.4	+3304.6	2264	9.0	123652.0	+3342.7	2354	9.3	132815.5	+3322.1	2444	8.7	141409.7	+3357.4
2175	8.8	115051.0	+3308.4	2265	9.3	123732.8	+3308.4	2355	9.2	132815.5	+3358.2	2445	9.2	141419.5	+3334.2
2176	6.0	115148.9	+3358.0	2266	7.8	123753.0	+3353.2	2356	9.5	132942.1	+3344.0	2446	9.5	141433.0	+3323.9
2177	9.5	115159.1	+3332.1	2267	9.0	123926.7	+3351.8	2357	9.3	133023.1	+3330.9	2447	8.2	141445.0	+3357.6
2178	8.2	115243.7	+3301.6	2268	9.1	123944.5	+3324.8	2358	8.7	133241.0	+3329.3	2448	9.2	141502.2	+3351.7
2179	9.3	115311.6	+3340.7	2269	8.0	124005.7	+3321.7	2359	9.5	133257.9	+3301.9	2449	9.5	141523.9	+3313.5
2180	9.5	115322.1	+3321.2	2270	9.3	124025.0	+3333.8	2360	9.3	133313.4	+3309.7	2450	9.5	141532.2	+3339.3
2181	8.0	115325.1	+3346.0	2271	9.0	124035.5	+3337.9	2361	7.6	133356.0	+3333.8	2451	9.5	141611.1	+3355.3
2182	9.5	115333.6	+3332.2	2272	9.4	124039.7	+3347.7	2362	9.1	133401.0	+3335.3	2452	7.3	141624.9	+3311.0
2183	9.5	115401.2	+3313.9	2273	9.5	124056.5	+3349.6	2363	9.5	133612.5	+3350.6	2453	9.2	141626.7	+3306.1

+33 2471 14h26m

+33 2830 17h02m

2471 8.5 142615.9 +3351.0	2561 3.0 150939.6 +3351.7	2651 9.3 155138.9 +3352.3	2741 9.5 162459.9 +3348.4
2472 9.5 142713.3 +3359.8	2562 8.5 150948.5 +3351.4	2652 9.5 155152.3 +3354.1	2742 7.1 162603.6 +3350.1
2473 9.5 142748.9 +3333.3	2563 9.3 151011.9 +3355.3	2653 9.5 155153.5 +3359.3	2743 9.5 162638.5 +3335.0
2474 6.8 142801.8 +3310.6	2564 8.9 151026.7 +3315.7	2654 9.0 155231.3 +3327.7	2744 9.3 162713.3 +3342.1
2475 9.2 142802.0 +3349.1	2565 9.3 151048.5 +3347.0	2655 9.5 155248.6 +3348.0	2745 9.5 162836.8 +3353.8
2476 9.4 142902.1 +3355.2	2566 9.5 151142.1 +3312.7	2656 9.5 155322.9 +3355.5	2746 9.5 162854.6 +3330.1
2477 9.5 143028.6 +3353.7	2567 9.5 151144.7 +3328.0	2657 9.5 155335.4 +3310.0	2747 9.3 162922.0 +3332.1
2478 9.0 143044.5 +3355.3	2568 9.5 151216.6 +3305.9	2658 9.4 155338.0 +3337.6	2748 8.2 162933.6 +3330.6
2479 9.5 143214.4 +3337.8	2569 9.5 151222.1 +3310.9	2659 9.5 155408.3 +3308.8	2749 9.2 162933.9 +3342.1
2480 9.5 143217.8 +3304.7	2570 9.5 151231.3 +3321.2	2660 9.5 155414.7 +3344.2	2750 8.9 163022.4 +3354.5
2481 9.5 143223.9 +3344.0	2571 9.1 151242.9 +3315.7	2661 9.5 155429.8 +3308.2	2751 9.5 163043.4 +3337.1
2482 8.3 143310.2 +3309.6	2572 9.5 151306.4 +3337.0	2662 9.5 155454.2 +3341.5	2752 9.5 163204.8 +3307.9
2483 9.2 143328.9 +3345.5	2573 9.1 151323.5 +3323.3	2663 5.7 155531.0 +3344.6	2753 9.3 163237.4 +3359.2
2484 9.4 143414.4 +3323.4	2574 6.8 151338.5 +3305.5	2664 9.3 155544.0 +3318.8	2754 9.1 163250.9 +3346.0
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2486 9.6 143544.2 +3337.9	2576 9.5 151424.6 +3339.4	2666 9.4 155615.3 +3355.6	2756 8.5 163309.9 +3348.1
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+33 3549 19h34m

3191	8.6	183913.8	+3352.1	3281	9.4	185403.6	+3326.6	3371	8.7	190734.3	+3307.9	3460	9.5	192214.4	+3343.1
3192	7.7	183932.8	+3302.5	3282	9.5	185411.1	+3320.2	3372	8.0	190737.0	+3310.2	3461	8.9	192217.1	+3356.5
3193	9.5	183945.6	+3302.9	3283	7.9	185425.0	+3354.0	3373	9.5	190747.6	+3334.5	3462	9.5	192218.3	+3307.6
3194	9.2	183951.0	+3306.9	3284	9.5	185446.9	+3302.4	3374	9.3	190748.9	+3345.6	3463	7.4	192226.2	+3305.4
3195	9.0	184011.4	+3357.5	3285	7.0	185505.2	+3352.2	3375	9.3	190808.5	+3341.9	3464	9.2	192236.6	+3334.3
3196	9.5	184027.2	+3309.8	3286	9.2	185511.9	+3300.8	3376	9.5	190809.7	+3314.5	3465	9.2	192237.5	+3341.1
3197	8.8	184034.3	+3357.5	3287	6.8	185535.4	+3355.9	3377	9.2	190834.2	+3353.1	3466	9.4	192254.3	+3304.0
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3200	9.0	184051.7	+3315.3	3290	9.3	185545.6	+3306.0	3380	9.2	190858.1	+3313.1	3469	9.4	192312.3	+3305.7
3201	9.4	184120.4	+3357.6	3291	9.1	185550.2	+3314.8	3381	9.5	190906.4	+3317.5	3470	9.0	192335.7	+3331.4
3202	8.3	184131.0	+3307.6	3292	9.0	185603.3	+3341.9	3382	8.4	190935.0	+3320.2	3471	9.5	192337.5	+3339.0
3203	9.5	184155.6	+3353.3	3293	8.7	185612.9	+3352.7	3383	9.4	190939.9	+3342.2	3472	9.4	192400.0	+3329.2
3204	9.5	184156.4	+3312.2	3294	9.2	185615.1	+3309.1	3384	9.4	190940.0	+3326.6	3473	9.3	192400.3	+3330.5
3205	8.0	184158.8	+3356.5	3295	7.1	185627.7	+3324.6	3385	9.5	190944.5	+3328.8	3474	9.5	192401.9	+3329.2
3206	9.5	184201.5	+3320.2	3296	9.5	185631.6	+3358.1	3386	9.3	190946.6	+3323.9	3475	9.4	192416.1	+3314.0
3207	9.5	184204.1	+3358.6	3297	9.5	185632.4	+3349.5	3387	9.0	190954.8	+3325.9	3476	9.5	192421.3	+3304.0
3208	9.4	184241.8	+3327.9	3298	9.4	185643.0	+3314.8	3388	9.0	191017.0	+3359.0	3477	9.5	192427.7	+3309.3
3209	7.8	184310.4	+3336.8	3299	9.5	185654.9	+3314.7	3389	9.3	191021.9	+3343.9	3478	9.5	192432.7	+3353.5
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3212	8.7	184325.8	+3351.8	3302	9.5	185722.1	+3357.9	3392	9.4	191049.7	+3303.7	3481	8.6	192457.3	+3349.8
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3215	7.5	184406.1	+3332.3	3305	9.1	185747.0	+3307.1	3395	9.5	191109.9	+3337.3	3484	9.4	192538.3	+3350.6
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3222	9.4	184440.1	+3312.7	3312	7.5	185858.0	+3352.3	3402	9.3	191150.8	+3327.9	3491	9.5	192634.5	+3339.0
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3252	9.1	184907.0	+3342.2	3342	9.2	190355.8	+3325.0	3432	9.5	191654.8	+3326.3	3521	9.5	193124.2	+3313.3
3253	9.3	184909.6	+3348.4	3343	9.0	190410.2	+3312.6	3433	9.5	191658.9	+3321.6	3522	9.5	193134.7	+3332.6
3254	9.5	184914.0	+3354.3	3344	9.3	190410.3	+3335.8	3434	9.5	191659.7	+3334.0	3523	9.5	193141.1	+3355.0
3255	9.5	184933.3	+3357.8	3345	8.2	190413.3	+3305.0	3435	6.2	191708.1	+3314.3	3524	9.2	193149.1	+3313.8
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3257	7.0	184935.8	+3346.7	3347	8.8	190454.4	+3302.4	3437	9.0	191732.2	+3331.0	3526	9.2	193211.1	+3355.0
3258	9.5	184946.5	+3300.9	3348	9.5	190501.7	+3341.9	3438	9.5	191735.6	+3319.6	3527	9.2	193217.2	+3313.3
3259	9.5	185030.2	+3356.5	3349	9.5	190527.0	+3340.3	3439	9.4	191738.8	+3304.6	3528	9.5	193217.2	+3310.8
3260	8.8	185033.1	+3319.8	3350	7.6	190530.8	+3305.2	3440	9.5	191745.2	+3307.2	3529	7.8	193233.7	+3333.8
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3935	9.0	202539.2	+3316.9	4024	9.3	204110.4	+3344.0	4114	8.9	205333.6	+3320.3	4204	9.0	210825.9	+3312.4
3936	9.1	202546.9	+3316.9	4025	9.5	204115.0	+3308.6	4115	9.5	205350.0	+3306.1	4205	8.2	210828.0	+3342.9
3937	9.2	202549.6	+3304.6	4026	9.4	204115.9	+3301.4	4116	8.2	205434.4	+3336.5	4206	9.1	210836.4	+3325.8
3938	7.0	202555.6	+3350.8	4027	8.5	204116.0	+3330.2	4117	9.2	205449.3	+3319.9	4207	9.4	210850.2	+3346.1
3939	9.4	202608.0	+3325.0	4028	30.0	204124.1	+3350.7	4118	9.5	205451.1	+3341.9	4208	9.5	210859.4	+3322.7
3940	9.0	202618.0	+3329.2	4029	9.5	204131.3	+3339.6	4119	9.5	205501.1	+3349.3	4209	9.3	210922.0	+3344.4
3941	9.5	202628.8	+3329.2	4030	9.4	204138.2	+3351.4	4120	8.5	205515.0	+3350.8	4210	8.0	210937.4	+3316.5
3942	9.0	202659.4	+3337.7	4031	9.5	204215.1	+3353.1	4121	9.1	205552.7	+3319.3	4211	9.3	210953.9	+3337.2
3943	8.8	202700.3	+3330.7	4032	9.4	204227.6	+3307.7	4122	9.5	205611.7	+3334.4	4212	9.5	210956.0	+3304.3
3944	8.5	202707.6	+3353.2	4033	8.8	204251.2	+3301.6	4123	9.5	205613.1	+3333.0	4213	8.8	211016.4	+3303.4
3945	8.4	202732.1	+3331.5	4034	9.5	204254.6	+3307.9	4124	9.5	205620.6	+3316.9	4214	9.1	211033.6	+3303.6
3946	9.5	202747.5	+3306.8	4035	9.5	204300.9	+3353.2	4125	7.5	205622.1	+3310.2	4215	9.5	211037.4	+3330.3
3947	9.5	202759.6	+3328.5	4036	9.4	204303.2	+3326.9	4126	8.3	205631.3	+3334.4	4216	9.5	211115.2	+3322.7
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4626	9.2	225340.0	+3318.8	4715	9.3	232204.5	+3331.4	4805	9.0	235023.5	+3352.5	58	9.2	01553.1	+3212.3
4627	9.0	225411.3	+3338.4	4716	9.5	232205.9	+3309.5	4806	9.2	235028.0	+3336.4	59	8.9	01649.0	+3213.5
4628	9.5	225420.0	+3310.8	4717	8.8	232207.8	+3350.0	4807	9.5	235028.7	+3344.3	60	9.5	01658.6	+3232.3
4629	9.3	225424.6	+3356.3	4718	8.9	232213.7	+3350.7	4808	9.2	235142.3	+3326.8	61	9.3	01719.8	+3244.3
4630	8.5	225429.3	+3344.7	4719	8.8	232230.1	+3312.0	4809	9.5	235200.8	+3319.8	62	9.5	01812.5	+3244.3
4631	8.5	225433.1	+3330.4	4720	9.4	232319.4	+3322.0	4810	9.3	235216.8	+3313.6	63	9.3	01827.8	+3225.5
4632	6.8	225503.0	+3349.8	4721	7.2	232340.6	+3301.8	4811	9.1	235220.4	+3330.2	64	8.9	01858.4	+3226.5
4633	8.8	225536.2	+3324.1	4722	9.1	232354.3	+3331.0	4812	8.8	235227.8	+3348.8	65	9.5	01902.7	+3235.9
4634	8.2	225539.6	+3350.2	4723	9.5	232356.6	+3344.5	4813	8.3	235243.8	+3322.6	66	9.2	01940.5	+3207.5
4635	8.0	225610.7	+3350.2	4724	8.6	232420.8	+3344.9	4814	9.5	235255.8	+3310.8	67	8.8	02006.5	+3252.9
4636	9.3	225622.4	+3321.2	4725	9.3	232449.9	+3342.4	4815	9.5	235256.3	+3308.5	68	9.5	02056.1	+3223.7
4637	9.4	225624.9	+3329.0	4726*	9.5	232458.8	+3304.0	4816	9.5	235305.4	+3309.3	69	7.5	02058.0	+3249.7
4638	9.2	225631.5	+3309.8	4727	9.5	232507.0	+3347.9	4817	9.5	235352.4	+3301.8	70	9.5	02152.3	+3226.5
4639	9.5	225716.3	+3357.6	4728	9.1	232514.1	+3325.5	4818	9.4	235354.6	+3335.1	71	7.5	02159.5	+3212.3
4640	9.5	225721.0	+3315.2	4729	9.5	232518.4	+3303.4	4819	8.5	235357.9	+3313.5	72	9.4	02215.1	+3258.5
4641	9.3	225727.1	+3308.4	4730	9.2	232524.0	+3339.0	4820	9.5	235444.7	+3327.3	73	8.6	02249.0	+3215.5
4642	8.3	225727.9	+3324.6	4731	9.3	232524.8	+3343.9	4821	9.5	235514.8	+3344.7	74	8.5	02253.5	+3239.0
4643	7.8	225811.0	+3319.0	4732	9.2	232529.2	+3330.9	4822	9.3	235544.6	+3310.6	75	9.4	02305.5	+3212.4
4644	9.4	225830.2	+3308.9	4733	9.5	232553.0	+3321.2	4823	8.9	235553.6	+3308.4	76	9.5	02321.1	+3201.2
4645	9.1	225836.5	+3321.1	4734	8.7	232615.9	+3354.2	4824	9.5	235609.3	+3345.2	77	9.5	02326.4	+3209.5
4646	9.3	225851.8	+3301.5	4735	9.5	232625.3	+3355.7	4825	9.0	235700.4	+3319.3	78	9.1	02333.6	+3237.0
4647	9.4	225915.5	+3334.6	4736	9.4	232631.7	+3301.2	4826	9.5	235706.9	+3353.1	79	9.0	02341.2	+3201.6
4648	8.9	225952.7	+3347.8	4737	9.0	232722.8	+3313.7	4827	7.0	235713.8	+3327.4	80	6.0	02345.0	+3248.0
4649	9.3	230010.5	+3337.0	4738	7.5	232723.8	+3333.7	4828	6.3	235717.2	+3351.6	81	9.0	02348.1	+3246.9
4650	9.5	230029.8	+3347.8	4739	9.5	232751.1	+3338.9	4829	9.0	235736.5	+3304.2	82	9.4	02359.7	+3209.6
4651	8.9	230101.2	+3321.5	4740	9.4	232759.2	+3301.1	4830	8.7	235744.3	+3310.6	83	9.1	02434.0	+3205.4
4652	9.3	230110.6	+3307.0	4741	9.1	232803.5	+3354.8	4831	9.5	235756.7	+3300.1	84	9.5	02440.5	+3253.8
4653	8.8	230123.4	+3307.8	4742	9.5	232815.8	+3317.8	4832	7.6	235802.8	+3317.5	85	8.5	02440.8	+3240.7
4654	9.3	230123.5	+3355.3	4743	9.2	232817.9	+3353.0	4833	9.2	235826.3	+3322.7	86	9.0	02443.2	+3213.7
4655	8.5	230146.3	+3325.9	4744	8.3	232958.6	+3350.7	4834	9.3	235856.9	+3312.3	87	9.5	02506.6	+3218.2
4656	9.5	230253.1	+3323.1	4745	9.5	233016.8	+3357.9	4835	8.3	235857.5	+3348.0	88	9.0	02508.8	+3232.0
4657	9.4	230257.0	+3343.8	4746	9.5	233042.5	+3335.4	4836	9.1	235945.8	+3331.1	89	9.4	02523.0	+3236.9
4658	9.5	230312.4	+3307.5	4747	9.0	233059.2	+3359.8	4837	8.5	235953.5	+3353.5	90	8.4	02529.6	+3238.0
4659	9.5	230328.0	+3358.8	4748	9.2	233059.2	+3317.1	1	8.5	00026.9	+3235.9	91	9.0	02545.6	+3217.6
4660	9.5	230328.2	+3352.5	4749	7.8	233203.3	+3354.8	2	9.5	00039.4	+3217.9	92	7.9	02607.0	+3204.2
4661	9.5	230348.7	+3355.9	4750	9.4	233203.9	+3319.9	3	9.0	00055.8	+3241.5	93	9.5	02613.5	+3208.6
4662	9.5	230426.6	+3304.2	4751	8.3	233220.4	+3315.0	4	8.7	00101.2	+3244.8	94	9.5	02620.6	+3211.0
4663	9.5	230515.8	+3357.2	4752	9.5	233228.3	+3355.0	5	9.5	00120.7	+3212.4	95	9.5	02625.8	+3221.4
4664	9.0	230516.9	+3335.9	4753	8.5	233302.6	+3300.9	6	8.9	00121.4	+3248.9	96	8.4	02648.0	+3228.3
4665	9.5	230518.5	+3306.5	4754	9.1	233347.5	+3358.0	7	9.5	00211.1	+3250.4	97	9.5	02729.1	+3210.6
4666	9.5	230545.0	+3337.2	4755	9.5	233405.3	+3354.6	8	9.5	00214.9	+3229.3	98	8.5	02839.4	+3250.8
4667	9.5	230626.7	+3355.8	4756	9.4	233422.2	+3322.5	9	8.3	00235.4	+3243.8	99	8.7	02841.0	+3241.7
4668	8.8	230627.0	+3349.0	4757	9.0	233426.5	+3312.3	10	9.5	00250.5	+3224.5	100	9.2	02903.1	+3210.0
4669	9.3	230639.4	+3339.3	4758	8.9	233444.2	+3344.3	11	7.3	00303.7	+3219.5	101	4.1	02908.2	+3256.3
4670	8.9	230642.2	+3328.5	4759	9.0	233455.8	+3326.1	12	9.3	00342.4	+3243.0	102	8.9	02908.7	+3254.3
4671	9.5	230740.7	+3357.0	4760	9.5	233506.6	+3305.4	13	8.2	00405.8	+3252.7	103	9.5	02913.0	+3200.9
4672	9.5	230805.0	+3344.4	4761	9.5	233542.4	+3320.6	14	9.5	00435.0	+3239.7	104	9.5	03000.6	+3240.7
4673	9.5	230820.3	+3300.0	4762	9.3	233544.7	+3357.5	15	9.5	00504.4	+3236.5	105	9.3	03039.0	+3236.1
4674	7.8	230846.8	+3344.9	4763	7.0	233552.9	+3355.9	16	9.4	00506.6	+3203.0	106	9.5	03059.7	+3238.0
4675	9.3	230925.0	+3332.0	4764	9.5	233715.8	+3322.3	17	9.5	00519.9	+3232.4	107	8.5	03119.1	+3223.5
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4700	8.8	231606.1	+3310.9	4789	8.3	234455.2	+3312.3								

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508	7.5	24020.0	+3214.4	598	9.5	30841.8	+3217.3	688	8.3	34714.8	+3245.3	778	7.5	41317.8	+3207.1
509	9.3	24134.6	+3228.4	599	9.2	30907.2	+3223.0	689	9.2	34719.0	+3225.5	779	9.5	41319.6	+3250.8
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511	8.2	24137.8	+3214.2	601	9.4	30952.8	+3208.8	691	8.3	34808.1	+3227.7	781	9.5	41416.4	+3248.5
512	9.5	24212.8	+3200.7	602	7.8	31004.8	+3209.0	692	9.5	34812.2	+3244.0	782	9.1	41434.0	+3238.4
513	9.4	24242.3	+3216.9	603	8.8	31008.9	+3247.6	693	9.4	34813.4	+3249.3	783	9.5	41452.7	+3253.3
514	9.5	24250.6	+3242.3	604	9.3	31013.5	+3223.9	694	9.0	34839.6	+3212.6	784	8.9	41511.8	+3257.7
515	9.3	24254.3	+3231.2	605	9.5	31030.0	+3226.0	695	8.0	34910.6	+3219.6	785	9.5	41536.4	+3228.5
516	9.5	24302.6	+3257.6	606	8.3	31112.7	+3226.4	696	9.1	34934.4	+3207.1	786	9.4	41539.7	+3207.0
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521	9.4	24416.1	+3253.4	611	9.5	31213.3	+3226.7	701	9.4	35112.5	+3252.9	791	9.5	41712.0	+3239.5
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523	9.4	24554.9	+3207.2	613	8.0	31243.8	+3224.8	703	8.3	35146.1	+3200.4	793	9.3	41728.9	+3235.0
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526	9.1	24601.6	+3211.7	616	9.5	31311.1	+3213.1	706	9.0	35217.1	+3244.1	796	9.0	41819.0	+3231.0
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564	8.8	25838.0	+3250.6	654	8.9	33059.1	+3219.1	744	9.5	40413.6	+3218.5	834	9.4	43716.0	+3222.3
565	8.9	25847.0	+3217.5	655	9.5	33121.5	+3223.6	745	9.5	40420.8	+3225.9	835	9.1	43747.3	+3250.5
566	9.0	25854.8	+3229.8	656	9.5	33142.0	+3203.4	746	9.3	40441.0	+3237.1	836	9.2	43817.7	+3229.6
567	9.5	25904.0	+3217.5	657	9.5	33155.1	+3240.5	747	9.2	40449.5	+3238.0	837	9.5	43823.5	+3241.5
568	9.4	25917.1	+3217.6	658	9.5	33206.0	+3243.5	748	9.5	40502.6	+3248.1	838	9.5	43920.4	+3257.5
569	9.2	25937.7	+3201.6	659	6.8	33320.5	+3228.8	749	9.5	40507.7	+3255.0	839	9.4	43941.3	+3244.2
570	9.5	30011.8	+3248.2	660	8.7	33351.8	+3250.8	750	9.4	40511.1	+3202.5	840	6.0	43956.7	+3221.1
571	9.2	30029.6	+3201.8	661	8.8	33435.5	+3209.7	751	9.2	40515.5	+3207.8	841	9.4	44032.0	+3204.0
572	9.5	30056.3	+3211.7	662	8.8	33449.4	+3209.2	752	9.5	40532.2	+3246.0	842	8.8	44138.1	+3211.3
573	9.5	30059.0	+3258.7	663	9.4	33555.3	+3227.5	753	9.2	40538.9	+3227.3	843	9.1	44153.6	+3238.9
574	9.5	30100.3	+3233.7	664	9.4	33600.3	+3231.0	754	9.3	40550.7	+3239.4	844	9.4	44200.1	+3243.2
575	9.5	30124.2	+3224.3	665	8.7	33740.7	+3208.9	755	9.4	40557.5	+3241.1	845	9.4	44218.7	+3236.3
576	9.4	30201.3	+3246.2	666	9.0	33816.0	+3251.9	756	9.4	40614.5	+3206.5	846	9.0	44225.5	+3201.9
577	8.3	30227.3	+3219.1	667	5.8	34023.0	+3238.4	757	9.3	40634.9	+3215.8	847	9.5	44248.7	+3233.0
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580	9.5	30327.5	+3203.4	670	9.5	34208.0	+3251.1	760	9.0	40736.0	+3212.0	850	9.5	44449.0	+3204.0
581	9.5	30337.8	+3225.0	671	9.5	34229.0	+3208.4	761	8.1	40741.5	+3252.6	851	9.4	44512.9	+3200.0
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1240	9.0	60755.3	+3245.2	1330	9.2	62417.0	+3251.7	1420	9.1	64151.8	+3206.1	1508	9.4	70622.8	+3206.4
1241	9.3	60755.8	+3258.2	1331	8.8	62432.3	+3210.0	1421	7.8	64155.5	+3219.3	1509	9.5	70629.9	+3207.2
1242	9.5	60800.5	+3242.8	1332	9.3	62433.1	+3201.2	1422	9.5	64158.4	+3242.7	1510	8.3	70635.9	+3241.3
1243	8.0	60802.3	+3218.8	1333	9.3	62450.9	+3237.5	1423	9.5	64214.6	+3235.1	1511	9.3	70705.2	+3207.4
1244	9.2	60814.2	+3238.3	1334	9.0	62503.3	+3231.0	1424	8.8	64300.4	+3257.8	1512	9.5	70718.3	+3235.1
1245	9.4	60822.3	+3216.4	1335	9.5	62520.2	+3254.7	1425	9.3	64314.0	+3245.9	1513	9.0	70720.5	+3209.6
1246	8.0	60822.8	+3232.7	1336	9.5	62521.4	+3222.3	1426	9.5	64315.7	+3200.7	1514	9.2	70728.8	+3214.0
1247	9.0	60824.7	+3256.2	1337	9.4	62600.3	+3248.5	1427	9.5	64319.6	+3254.3	1515	8.5	70729.5	+3210.8
1248	9.2	60844.3	+3213.0	1338	7.8	62608.5	+3240.8	1428	9.4	64321.4	+3201.0	1516	7.8	70751.6	+3212.0
1249	9.5	60850.0	+3221.9	1339	8.9	62611.3	+3248.7	1429	9.5	64329.5	+3247.2	1517	8.5	70828.8	+3236.8
1250	9.1	60851.4	+3237.2	1340	9.3	62626.0	+3215.8	1430	9.5	64343.7	+3221.4	1518	9.4	70840.3	+3207.0
1251	8.8	60907.8	+3221.4	1341	9.5	62626.8	+3207.7	1431	9.1	64425.6	+3223.1	1519	9.2	70857.8	+3205.3
1252	9.5	60918.3	+3236.5	1342	9.3	62628.7	+3225.5	1432	9.2	64426.5	+3216.9	1520	9.2	70930.8	+3236.3
1253	9.1	60941.4	+3247.8	1343	7.3	62631.4	+3224.3	1433	7.0	64441.3	+3241.3	1521	9.5	70957.9	+3257.8
1254	9.5	60950.7	+3217.7	1344	8.4	62634.3	+3245.0	1434	8.6	64444.6	+3228.9	1522	9.2	71008.0	+3241.3
1255	9.4	61000.2	+3235.5	1345	9.5	62649.6	+3201.2	1435	9.3	64450.4	+3241.6	1523	9.4	71054.8	+3204.2
1256	9.5	61027.3	+3238.7	1346	9.5	62704.3	+3212.6	1436	8.9	64454.7	+3236.9	1524	9.5	71059.4	+3223.0
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1258	9.5	61037.1	+3204.1	1348	9.5	62712.5	+3232.5	1438	9.5	64547.5	+3252.8	1526	9.2	71200.7	+3200.4
1259	9.0	61037.6	+3225.3	1349	9.4	62714.1	+3201.3	1439	9.5	64620.4	+3234.8	1527	9.4	71244.7	+3220.0
1260	9.4	61105.3	+3238.4	1350	8.5	62740.3	+3251.5	1440	9.2	64640.4	+3205.8	1528	9.5	71306.0	+3241.3
1261	9.5	61119.0	+3254.0	1351	9.5	62753.8	+3214.7	1441	8.7	64652.7	+3236.4	1529	8.7	71306.4	+3233.4
1262	9.5	61125.4	+3243.8	1352	9.3	62758.2	+3222.2	1442	8.6	64657.3	+3240.8	1530	9.5	71322.4	+3200.2
1263	9.1	61151.3	+3254.3	1353	9.5	62825.3	+3222.6	1443	9.2	64670.4	+3256.5	1531	9.4	71342.5	+3202.5
1264	8.5	61200.6	+3227.8	1354	8.6	62843.8	+3237.4	1444	9.5	64710.4	+3256.7	1532	9.2	71445.2	+3213.4
1265	8.5	61203.4	+3247.6	1355	9.1	62846.6	+3200.3	1445	9.5	64718.4	+3256.7	1533	9.3	71459.3	+3224.3
1266	9.4	61214.5	+3257.9	1356	9.3	62903.2	+3212.2	1446	9.5	64736.3	+3250.8	1534	9.5	71505.1	+3212.0
1267	8.5	61223.8	+3200.4	1357	9.5	62905.5	+3218.4	1447	8.3	64740.8	+3216.9	1535	9.5	71523.0	+3217.2
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1269	9.5	61320.7	+3258.6	1359	9.4	62935.7	+3212.7	1449	9.3	64855.5	+3212.9	1537	9.5	71528.4	+3204.8
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1272	9.5	61342.5	+3226.1	1362	9.5	63012.3	+3236.4	1452	9.5	65004.9	+3204.2	1540	9.1	71614.3	+3230.5
1273	9.1	61343.4	+3235.2	1363	9.1	63012.5	+3204.0	1453	9.4	65011.3	+3231.9	1541	8.8	71632.3	+3225.5
1274	9.5	61357.0	+3217.9	1364	9.5	63019.5	+3217.7	1454	9.5	65053.8	+3211.4	1542	9.1	71638.2	+3234.1
1275	8.8	61411.5	+3224.1	1365	9.5	63032.2	+3201.0	1455	9.0	65122.2	+3215.1	1543	9.4	71639.2	+3246.7
1276	9.3	61414.3	+3210.1	1366	9.2	63053.3	+3252.4	1456	9.2	65122.7	+3206.5	1544	8.5	71645.1	+3223.4
1277	8.2	61424.3	+3225.1	1367	9.4	63056.3	+3240.1	1457	9.3	65123.3	+3228.4	1545	7.2	71648.1	+3210.7
1278	8.9	61425.5	+3241.4	1368	9.3	63123.0	+3207.4	1458	8.3	65140.1	+3237.3	1546	9.5	71655.8	+3246.8
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1280	9.3	61458.1	+3239.5	1370	8.2	63141.5	+3232.5	1460	6.8	65151.6	+3235.3	1548	9.5	71724.4	+3242.4
1281	9.5	61517.0	+3250.3	1371	9.5	63208.7	+3216.7	1461	8.3	65238.2	+3208.0	1549	9.4	71724.6	+3238.4
1282	9.4	61521.7	+3254.3	1372	7.5	63219.5	+3245.8	1462	9.2	65238.4	+3235.2	1550	8.8	71738.4	+3202.1
1283	9.5	61525.6	+3253.5	1373	9.0	63224.8	+3224.1	1463	9.3	65240.1	+3220.9	1551	9.3	71743.2	+3213.0
1284	9.0	61527.3	+3213.8	1374	9.5	63225.4	+3246.6	1464	9.1	65249.0	+3206.2	1552	9.1	71808.4	+3239.7
1285	9.5	61529.9	+3200.5	1375	9.3	63244.3	+3203.9	1465	8.8	65249.1	+3237.3	1553	9.5	71818.7	+3251.0
1286	9.5	61540.7	+3216.6	1376	9.4	63259.9	+3240.0	1466	9.3	65306.6	+3214.5	1554	9.5	71823.7	+3219.7
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1292	8.7	61630.3	+3233.4	1382	9.5	63348.2	+3258.6	1472	9.3	65514.1	+3219.3	1560	8.5	71927.6	+3257.8
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+32 1943 9h43m

1943 8.3	94311.0	+3207.2	2033 9.5	101945.7	+3252.0	2123 9.1	110722.5	+3256.8	2213 8.5	115518.3	+3219.4
1944 9.5	94319.9	+3236.7	2034 9.4	101946.5	+3221.7	2124 7.9	110730.0	+3223.7	2214 9.5	115554.8	+3224.1
1945 9.5	94332.0	+3211.4	2035 9.4	102017.2	+3241.8	2125 8.7	110824.1	+3223.9	2215 9.3	115611.7	+3258.1
1946 9.2	94347.3	+3200.9	2036 8.8	102109.0	+3244.6	2126 9.5	110841.8	+3219.5	2216 9.5	115715.3	+3219.7
1947 7.7	94356.9	+3212.8	2037 8.9	102202.7	+3209.4	2127 9.5	110854.0	+3208.2	2217 9.5	115732.0	+3208.7
1948 9.0	94413.5	+3234.0	2038 9.5	102228.0	+3217.8	2128 9.1	110907.0	+3222.1	2218 7.9	115758.6	+3201.0
1949 9.5	94548.5	+3200.3	2039 9.5	102250.2	+3249.3	2129 9.1	110916.1	+3228.5	2219 8.9	115815.3	+3247.9
1950 8.3	94552.6	+3256.6	2040 8.6	102345.4	+3255.7	2130 9.1	110931.5	+3246.1	2220 8.6	115842.2	+3258.0
1951 9.5	94631.7	+3236.3	2041 9.3	102349.6	+3259.0	2131 9.3	110950.3	+3237.1	2221 9.2	115844.2	+3203.9
1952 8.5	94640.9	+3205.0	2042 9.3	102358.7	+3259.5	2132 3.7	111026.9	+3221.8	2222 9.5	115853.4	+3220.2
1953 8.6	94742.5	+3257.1	2043 9.5	102410.0	+3233.1	2133 9.5	111030.0	+3253.1	2223 9.1	115940.7	+3249.2
1954 9.3	94759.7	+3225.0	2044 9.0	102415.7	+3241.8	2134 9.5	111117.9	+3203.8	2224 9.5	115946.7	+3259.3
1955 9.5	94852.0	+3247.0	2045 8.4	102418.3	+3210.2	2135 9.4	111244.4	+3229.7	2225 8.1	120014.8	+3250.0
1956 9.5	94947.5	+3202.3	2046 9.3	102425.8	+3249.6	2136 9.5	111255.5	+3250.3	2226 9.5	120111.7	+3237.9
1957 9.5	95025.3	+3206.3	2047 9.3	102427.5	+3212.5	2137 8.2	111258.2	+3232.1	2227 8.6	120145.8	+3243.4
1958 9.4	95041.3	+3246.8	2048 9.4	102438.4	+3215.7	2138 9.5	111321.6	+3221.1	2228 8.2	120403.3	+3247.2
1959 9.0	95050.4	+3229.2	2049 9.0	102455.5	+3218.9	2139 8.7	111347.7	+3250.7	2229 7.5	120532.1	+3235.9
1960 9.0	95052.4	+3224.8	2050 9.1	102620.5	+3219.9	2140 9.5	111449.1	+3248.6	2230 9.5	120654.4	+3202.0
1961 8.3	95119.5	+3209.5	2051 8.4	102620.7	+3225.8	2141 8.8	111458.3	+3212.7	2231 9.5	120705.0	+3202.2
1962 8.8	95135.9	+3256.9	2052 9.1	102659.5	+3238.2	2142 7.7	111506.2	+3236.9	2232 9.5	120926.3	+3221.1
1963 9.5	95201.5	+3224.8	2053 7.8	102717.9	+3232.6	2143 9.3	111524.9	+3244.8	2233 9.0	121034.8	+3247.2
1964 5.8	95239.8	+3237.9	2054 9.5	102732.0	+3244.6	2144 9.4	111532.4	+3209.1	2234 8.3	121354.5	+3206.0
1965 8.4	95242.9	+3214.1	2055 9.0	102737.5	+3231.0	2145 9.5	111657.7	+3202.9	2235 8.7	121401.2	+3254.4
1966 9.4	95251.4	+3259.9	2056 9.5	102803.5	+3239.0	2146 8.0	111711.4	+3237.6	2236 8.5	121404.9	+3258.5
1967 8.9	95305.3	+3233.2	2057 9.3	102859.4	+3200.7	2147 9.4	111818.2	+3226.9	2237 9.3	121433.3	+3239.0
1968 8.8	95312.0	+3247.8	2058 9.4	102913.0	+3218.6	2148 9.2	111901.2	+3223.5	2238 9.1	121453.5	+3253.4
1969 9.5	95319.6	+3240.7	2059 8.5	102916.0	+3224.0	2149 9.1	112002.7	+3221.5	2239 8.0	1214525.8	+3203.5
1970 7.5	95340.5	+3214.0	2060 8.5	103011.7	+3245.4	2150 9.5	112207.3	+3248.4	2240 9.5	121623.8	+3239.0
1971 9.5	95425.7	+3256.9	2061 4.8	103034.3	+3243.2	2151 9.4	112219.1	+3211.9	2241 8.6	121718.2	+3204.8
1972 8.3	95533.0	+3210.9	2062 9.5	103054.2	+3203.6	2152 9.5	112219.7	+3246.3	2242 9.5	121732.8	+3208.0
1973 9.2	95545.6	+3232.8	2063 9.5	103115.6	+3256.2	2153 9.3	112441.9	+3205.2	2243 8.1	121737.8	+3237.6
1974 9.5	95605.5	+3239.0	2064 8.5	103119.1	+3226.9	2154 9.1	112451.1	+3204.8	2244 8.9	121808.8	+3241.7
1975D 9.5	95624.0	+3210.2	2065 9.3	103244.6	+3239.3	2155 9.0	112507.5	+3234.9	2245 9.3	121822.2	+3204.8
1976 9.1	95659.7	+3200.4	2066 6.5	103405.8	+3228.2	2156 8.9	112520.6	+3233.0	2246 9.5	121914.0	+3202.0
1977 9.5	95708.5	+3239.1	2067 9.5	103406.4	+3245.7	2157 9.5	112521.0	+3231.1	2247 9.3	122115.1	+3244.4
1978 9.5	95726.5	+3252.4	2068 9.5	103419.8	+3251.0	2158 9.5	112630.2	+3208.1	2248 9.3	122116.8	+3227.5
1979 9.0	95826.0	+3221.0	2069 9.2	103436.3	+3249.5	2159 9.5	112635.4	+3208.1	2249 9.5	122136.3	+3243.4
1980 9.5	95853.6	+3247.2	2070 9.5	103451.1	+3238.5	2160 9.4	112645.7	+3259.6	2250 7.9	122153.3	+3211.1
1981 9.1	95858.4	+3255.1	2071 9.5	103644.6	+3254.8	2161 9.1	112706.1	+3228.7	2250a50.0	122301.0	+3218.3
1982 6.5	95954.2	+3219.4	2072 8.5	103722.4	+3255.3	2162 8.0	112708.7	+3258.6	2251 9.5	122348.4	+3255.0
1983 9.3	100021.5	+3223.1	2073 8.5	103739.5	+3250.2	2163 8.9	112716.6	+3219.4	2252 7.4	122349.5	+3215.5
1984 8.8	100034.1	+3220.1	2074 9.5	103958.4	+3203.0	2164 9.5	112745.4	+3209.7	2253 9.4	122358.9	+3206.6
1985 9.5	100105.5	+3224.4	2075 9.5	104023.7	+3253.8	2165 9.4	112804.8	+3221.8	2254 9.1	122426.9	+3248.5
1986 9.2	100109.7	+3217.9	2076 7.3	104229.4	+3247.6	2166 9.5	112815.9	+3248.7	2255 8.4	122611.3	+3250.5
1987 9.2	100116.5	+3227.6	2077 9.5	104238.0	+3203.2	2167 9.1	112836.1	+3210.4	2256 8.2	122657.4	+3248.9
1988 8.5	100202.0	+3257.4	2078 9.5	104252.1	+3228.9	2168 9.3	112907.1	+3229.3	2257 9.5	122805.3	+3213.1
1989 8.8	100255.5	+3258.8	2079 7.6	104356.1	+3207.8	2169 7.5	113028.0	+3242.1	2258 7.7	122850.8	+3231.8
1990 7.8	100259.7	+3255.0	2080 9.5	104402.0	+3243.8	2170 9.2	113028.9	+3202.4	2259 7.4	122852.9	+3247.6
1991 9.1	100331.0	+3214.6	2081 9.4	104449.1	+3211.6	2171 8.6	113125.2	+3232.8	2260 8.2	122915.7	+3259.6
1992 9.5	100355.4	+3229.0	2082 9.5	104535.6	+3251.0	2172 8.8	113150.1	+3252.9	2261 9.1	122921.9	+3222.8
1993 9.5	100401.7	+3216.1	2083 9.5	104552.1	+3224.1	2173 9.5	113213.7	+3240.6	2262 9.0	123104.8	+3243.8
1994 9.3	100404.4	+3210.9	2084 9.5	104615.6	+3223.4	2174 9.1	113226.4	+3210.9	2263 8.9	123115.3	+3254.1
1995 8.5	100409.0	+3203.3	2085 8.1	104627.9	+3230.1	2175 8.6	113256.9	+3210.7	2264 9.3	123123.8	+3217.3
1996 7.8	100456.0	+3205.0	2086 9.4	104642.6	+3244.1	2176 8.9	113305.7	+3208.6	2265 9.5	123142.9	+3208.6
1997 8.7	100503.5	+3214.0	2087 9.2	104717.5	+3206.0	2177 9.0	113323.8	+3238.2	2266 9.5	123147.8	+3244.5
1998 8.7	100536.3	+3200.2	2088 9.5	104733.5	+3230.2	2178 9.2	113353.4	+3233.7	2267 9.2	123240.3	+3247.2
1999 8.3	100545.0	+3216.6	2089 9.4	104852.1	+3246.1	2179 6.0	113400.9	+3233.0	2268 9.4	123338.4	+3238.3
2000 7.8	100551.4	+3209.1	2090 9.4	104859.2	+3238.2	2180 7.2	113555.1	+3233.8	2269 9.1	123343.4	+3253.9
2001 9.5	100611.5	+3227.5	2091 9.5	104949.6	+3229.8	2181 8.6	113613.6	+3233.5	2270 9.5	123361.0	+3200.7
2002 9.3	100625.1	+3209.5	2092 9.3	104955.1	+3236.4	2182 8.9	113624.8	+3207.5	2271 9.5	123612.3	+3213.5
2003 9.0	100638.7	+3230.6	2093 9.4	105013.3	+3254.7	2183 9.4	113715.7	+3242.0	2272 9.5	123651.3	+3217.6
2004 9.4	100639.0	+3242.2	2094 9.5	105029.8	+3225.5	2184 9.4	113744.9	+3204.8	2273 9.2	123835.7	+3259.0
2005 6.3	100647.0	+3211.7	2095 9.4	105039.1	+3245.8	2185 9.4	113754.8	+3259.6	2274 9.1	124018.0	+3200.5
2006 9.5	100740.0	+3228.4	2096 9.5	105128.4	+3202.1	2186 9.5	113843.3	+3219.0	2275 9.5	124050.8	+3213.7
2007 8.9	100748.6	+3259.3	2097 9.5	105224.6	+3224.1	2187 9.5	113854.1	+3252.8	2276 9.5	124050.9	+3255.1
2008 9.1	100803.5	+3205.5	2098 8.0	105329.7	+3202.5	2188 9.5	113926.7	+3238.3	2277 9.5	124115.7	+3256.4
2009 9.3	100844.5	+3213.4	2099 9.0	105522.6	+3204.8	2189 9.4	114038.1	+3242.5	2278 9.5	124253.4	+3223.8
2010 9.5	100905.0	+3203.3	2100 8.6	105551.5	+3200.7	2190 9.2	114103.7	+3241.4	2279 9.5	124310.7	+3258.1
2011 8.0	100945.7	+3251.9	2101 9.5	105630.6	+3244.8	2191 8.6	114112.4	+3200.1	2280 9.5	124341.8	+3202.0
2012 9.5	100956.9	+3216.0	2102 6.8	105644.4	+3212.8	2192 9.1	114139.9	+3215.3	2281 7.5	124359.9	+3215.2
2013 9.5	101106.3	+3256.0	2103 7.8	105720.5	+3242.9	2193 9.4	114243.9	+3253.2	2282 9.5	124411.4	+3259.6
2014 9.1	101122.0	+3244.8	2104 9.5	105730.5	+3243.9	2194 9.3	114253.0	+3233.1	2283 9.4	124413.5	+3242.4
2015 9.5	101201.5	+3259.3	2105 9.4	105749.6	+3236.5	2195 9.5	114255.8	+3247.5	2284 9.5	124433.9	+3238.2
2016 8.8	101222.3	+3209.7	2106 9.1	105753.3	+3255.2	2196 9.5	114405.4	+3223.4	2285 9.5	124434.3	+3257.9
2017 9.3	101255.6	+3252.8	2107 9.4	105810.0	+3233.8	2197 9.5	114418.3	+3211.1	2286 9.5	124449.0	+3237.0
2018 9.5	101302.7	+3257.9	2108 9.4	105810.4	+3215.8	2198 9.5	114551.3	+3213.8	2287 8.8	124501.7	+3233.5
2019 9.4	101342.0	+3250.5	2109 9.3	105852.7	+3212.8	2199 8.7	114620.2	+3201.9	2288 9.5	124526.9	+3242.7
2020 9.5	101342.5	+3236.8	2110 9.4	105904.7	+3201.8	2200 9.4	114622.0	+3228.9	2289 9.5	124644.0	+3200.5
2021 8.6	101403.5	+3216.2	2111 9.5	105958.1	+3256.8	2201 9.1	114635.2	+3233.2	2290 9.5	124754.0	+3249.0
2022 9.3	101407.1	+3254.1	2112 9.5	110041.8	+3253.4	2202 9.4	114704.5	+3201.9	2291 9.4	12475	

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2783	9.0	164025.8	+3246.8
2784	9.5	164059.5	+3240.4
2785	8.9	164108.2	+3232.7
2786	9.0	164132.6	+3256.0
2787	9.2	164235.5	+3256.4
2788	8.0	164244.0	+3241.0
2789	9.3	164312.5	+3257.6
2790	9.0	164359.4	+3204.9
2791	9.1	164409.0	+3251.6
2792	9.4	164434.7	+3215.2
2793	9.5	164440.1	+3227.3
2794	9.4	164444.0	+3214.7
2795	6.8	164516.0	+3248.7
2796	9.1	164518.5	+3208.2
2797	9.4	164538.4	+3206.6
2798	9.0	164549.2	+3208.3
2799	9.0	164546.5	+3205.8
2800	9.0	164617.1	+3213.5
2801	8.4	164620.4	+3227.3
2802	9.2	164652.3	+3204.9
2803	9.2	164708.6	+3241.5
2804	9.1	164725.3	+3227.4
2805	9.0	164725.6	+3213.5
2806	8.8	164727.3	+3250.4
2807	9.5	164848.8	+3222.1
2808	9.5	164918.2	+3257.9
2809	9.5	164918.3	+3225.1
2810	8.4	164921.4	+3254.2
2811	9.2	164928.7	+3226.9
2812	9.5	164931.0	+3237.2
2813	8.9	164951.0	+3254.2
2814	9.0	165006.1	+3252.5
2815	9.5	165051.6	+3250.0
2816	9.5	165052.5	+3206.4
2817	9.4	165055.1	+3208.2
2818	9.4	165101.4	+3206.2
2819	9.4	165144.5	+3203.5
2820	8.0	165145.3	+3227.8
2821	9.5	165108.5	+3227.8
2822	9.5	165113.6	+3229.3
2823	9.0	165130.5	+3227.6
2824	8.8	165145.2	+3201.1
2825	9.3	165235.6	+3223.1
2826	9.5	165258.0	+3244.2
2827	9.3	165355.6	+3240.7
2828	9.0	165414.5	+3248.3
2829	9.0	165421.9	+3257.8
2830	9.5	165504.0	+3206.1
2831	8.8	165604.3	+3215.6
2832	9.2	165616.0	+3257.6
2833	8.5	165620.1	+3229.7
2834	7.9	165628.5	+3243.8
2835	7.4	165649.0	+3206.1
2836	9.5	165735.5	+3215.9
2837	9.0	165742.0	+3242.8
2838	9.0	165746.1	+3246.3
2839	9.0	165750.1	+3249.4
2840	8.8	165800.2	+3208.1
2841	9.2	165812.8	+3205.3
2842	9.5	165831.3	+3203.9
2843	9.3	165838.4	+3250.5
2844	8.5	165843.1	+3246.1
2845	9.5	165857.8	+3208.3
2846	9.0	165941.5	+3213.4
2847	9.4	170000.3	+3218.0
2848	8.5	170040.5	+3222.5
2849	9.3	170112.6	+3226.3
2850	9.5	170157.2	+3225.9
2851	9.5	170202.2	+3256.4
2852	7.2	170230.7	+3217.9
2853	9.3	170232.8	+3246.9
2854	9.3	170238.7	+3235.1
2855	8.8	170309.8	+3219.3
2856	9.3	170343.1	+3232.0
2857	9.4	170353.6	+3218.9
2858	9.3	170416.5	+3212.5
2859	9.4	170427.5	+3208.3
2860	9.5	170431.9	+3212.8
2861	9.1	170432.7	+3232.4
2862	7.0	170521.4	+3222.1
2863	9.5	170536.2	+3230.0
2864	9.2	170628.4	+3208.1
2865	9.1	170634.7	+3214.8
2866	9.4	170643.4	+3226.3
2867	9.5	170704.1	+3215.6
2868	9.2	170717.4	+3246.1
2869	9.4	170747.8	+3207.7
2870	8.8	170754.7	+3220.0
2871	8.9	170837.6	+3233.8
2872	9.4	170944.8	+3227.4
2873	7.9	170958.3	+3244.0
2874	8.0	171002.7	+3215.2
2875	9.4	171007.3	+3223.7
2876	9.4	171031.7	+3239.3
2877	8.3	171048.6	+3259.8
2878	8.4	171113.8	+3238.6
2879	9.4	171130.1	+3258.1
2880	9.4	171142.0	+3258.4
2881	9.1	171143.1	+3205.9
2882	9.5	171156.2	+3236.8
2883	8.4	171204.2	+3214.4
2884	9.0	171233.4	+3237.6
2885	8.8	171240.2	+3229.0
2886	8.7	171251.9	+3250.8
2887	9.2	171258.9	+3254.1
2888	8.7	171259.9	+3248.6
2889	9.3	171335.3	+3217.8
2890	9.3	171340.9	+3207.0
2891	9.1	171350.4	+3229.3
2892	9.5	171355.3	+3259.6
2893	9.1	171421.5	+3216.3
2894	9.3	171440.7	+3248.4
2895	9.3	171512.4	+3216.5
2896	5.7	171515.2	+3239.6
2897	9.4	171516.0	+3205.7
2898	7.0	171521.7	+3249.9
2899	9.0	171547.4	+3240.3
2900	9.5	171606.6	+3204.7
2901	9.3	171625.4	+3240.0
2902	8.3	171638.8	+3208.1
2903	9.5	171647.5	+3255.5
2904	9.5	171821.5	+3252.1
2905	9.2	171822.0	+3206.5
2906	9.2	171849.5	+3254.9
2907	8.7	171903.9	+3258.3
2908	9.5	171906.4	+3217.3
2909	8.8	171911.3	+3223.4
2910	8.8	171914.1	+3225.5
2911	7.0	171915.7	+3247.9
2912	9.5	171926.7	+3208.4
2913	9.5	171927.2	+3229.3
2914	9.5	172003.9	+3252.8
2915	9.5	172036.2	+3216.3
2916	9.5	172046.4	+3253.2
2917	8.9	172047.1	+3239.0
2918	9.3	172109.5	+3258.6
2919	9.3	172110.7	+3210.9
2920	9.3	172117.6	+3237.9
2921	9.5	172136.5	+3206.3

*32 3021 17h53m

*32 3380 19h11m

3021	9.2	175319.3	+3249.2	3111	8.2	181633.7	+3226.5	3201	8.6	184034.9	+3212.7	3291	9.5	185426.3	+3212.7
3022	9.3	175323.8	+3212.8	3112	8.3	181639.2	+3250.9	3202	9.4	184043.2	+3233.0	3292	9.5	185443.3	+3208.5
3023	9.1	175329.0	+3205.3	3113	9.3	181640.2	+3210.3	3203	8.9	184051.1	+3208.8	3293	9.4	185514.8	+3208.8
3024	9.0	175341.7	+3229.0	3114	9.5	181736.8	+3230.5	3204	9.3	184059.9	+3202.4	3294	9.5	185514.8	+3248.3
3025	9.5	175403.9	+3256.0	3115	9.1	181804.3	+3247.6	3205	9.1	184112.1	+3201.2	3295	9.5	185524.4	+3219.1
3026	9.5	175427.2	+3239.0	3116	9.1	181821.4	+3221.0	3206	9.1	184118.2	+3228.8	3296	9.5	185533.6	+3220.6
3027	9.5	175446.9	+3256.3	3117	9.1	181834.5	+3247.9	3207	9.2	184120.0	+3245.3	3297	9.1	185554.3	+3228.5
3028	9.5	175516.7	+3238.9	3118	7.8	181901.6	+3203.7	3208	9.5	184121.9	+3233.1	3298	9.5	185559.2	+3246.0
3029	9.5	175532.8	+3204.5	3119	8.6	181914.3	+3242.4	3209	9.5	184124.2	+3245.5	3299	9.0	185602.3	+3211.2
3030	9.5	175547.2	+3233.8	3120	9.4	181936.2	+3214.9	3210	8.7	184142.1	+3207.8	3300	9.0	185610.3	+3240.3
3031	9.5	175555.2	+3251.3	3121	8.8	182037.7	+3208.0	3211	9.5	184159.9	+3221.7	3301	9.5	185705.7	+3207.5
3032	9.5	175557.7	+3247.2	3122	9.0	182046.6	+3230.9	3212	8.8	184211.1	+3209.5	3302	9.5	185718.3	+3214.7
3033	9.4	175639.2	+3237.0	3123	9.0	182049.3	+3215.5	3213	9.5	184215.0	+3252.5	3303	9.2	185726.0	+3246.1
3034	9.5	175728.4	+3255.1	3124	9.5	182109.4	+3202.9	3214	8.8	184223.1	+3250.5	3304	9.3	185758.2	+3220.2
3035	9.3	175730.7	+3245.1	3125	9.5	182136.3	+3200.3	3215	9.2	184229.0	+3236.9	3305	8.4	185837.2	+3249.6
3036	9.3	175744.1	+3202.9	3126	9.5	182143.5	+3201.7	3216	9.5	184238.6	+3206.1	3306	8.5	185848.8	+3232.4
3037	9.5	175810.0	+3212.7	3127	9.5	182210.4	+3244.9	3217	9.5	184249.7	+3202.6	3307	9.3	185855.9	+3246.7
3038	8.6	175810.7	+3247.1	3128	9.1	182231.9	+3244.9	3218	9.1	184253.1	+3248.7	3308	9.0	185856.5	+3217.1
3039	9.4	175821.5	+3206.8	3129	8.5	182237.5	+3221.7	3219	9.0	184302.1	+3255.1	3309	9.5	185918.2	+3218.8
3040	9.2	175828.7	+3200.4	3130	9.5	182301.2	+3256.4	3220	7.2	184305.1	+3237.1	3310	9.5	185924.7	+3250.2
3041	9.5	175840.7	+3223.1	3131	9.4	182333.8	+3204.4	3221	8.5	184318.0	+3220.3	3311	9.5	185925.7	+3218.9
3042	9.5	175916.7	+3226.9	3132	8.7	182335.2	+3250.5	3222	9.5	184345.8	+3250.6	3312	9.5	185928.7	+3220.4
3043	8.5	175917.7	+3235.5	3133	9.5	182405.2	+3213.4	3223	9.1	184355.6	+3230.5	3313	9.5	185931.9	+3218.5
3044	9.5	175934.2	+3212.2	3134	8.1	182407.9	+3253.2	3224	9.4	184400.3	+3208.0	3314	9.4	185946.4	+3235.7
3045	9.4	180012.1	+3203.6	3135	9.0	182409.7	+3244.9	3225	9.5	184415.1	+3213.4	3315	9.4	185947.1	+3231.7
3046	9.0	180019.7	+3216.0	3136	8.7	182412.1	+3257.0	3226	9.0	184421.6	+3248.7	3316	9.4	190005.0	+3244.8
3047	6.0	180025.5	+3213.9	3137	8.2	182414.1	+3239.6	3227	6.3	184423.0	+3238.7	3317	9.4	190010.3	+3221.6
3048	9.5	180058.7	+3244.0	3138	9.3	182429.1	+3216.4	3228	5.5	184428.7	+3223.5	3318	9.4	190011.1	+3227.0
3049	9.4	180142.7	+3221.1	3139	9.5	182449.5	+3203.3	3229	9.4	184506.1	+3215.5	3319	9.0	190015.9	+3233.4
3050	9.5	180200.7	+3245.1	3140	8.9	182457.5	+3241.6	3230	9.3	184519.4	+3215.8	3320	9.2	190049.8	+3232.2
3051	9.0	180226.8	+3255.6	3141	7.7	182509.4	+3232.7	3231	9.3	184523.5	+3215.1	3321	8.0	190052.2	+3205.5
3052	9.1	180230.3	+3206.3	3142	9.5	182538.6	+3247.9	3232	9.5	184539.2	+3259.8	3322	9.1	190054.1	+3259.2
3053	9.2	180236.5	+3248.5	3143	7.2	182542.9	+3209.2	3233	9.5	184544.8	+3217.2	3323	8.4	190140.5	+3201.3
3054	9.3	180244.2	+3246.8	3144	9.4	182545.8	+3259.0	3234	9.5	184554.1	+3255.2	3324	9.3	190148.7	+3243.4
3055	9.5	180312.7	+3205.6	3145	9.3	182549.2	+3259.1	3235	9.5	184603.7	+3226.3	3325	9.0	190148.8	+3217.7
3056	9.2	180330.2	+3252.7	3146	9.4	182608.1	+3236.8	3236	9.0	184637.1	+3212.2	3326	6.0	190156.3	+3216.2
3057	9.5	180351.5	+3257.5	3147	9.4	182630.0	+3257.3	3237	8.6	184715.4	+3213.9	3327	9.4	190218.4	+3245.3
3058	9.5	180356.7	+3244.8	3148	9.5	182651.5	+3244.0	3238	9.3	184716.0	+3211.9	3328	9.4	190221.1	+3242.6
3059	9.4	180405.7	+3236.2	3149	9.2	182702.0	+3244.1	3239	8.9	184732.1	+3213.9	3329	9.5	190222.0	+3221.4
3060	9.5	180452.4	+3203.0	3150	9.5	182719.3	+3218.6	3240	9.4	184740.2	+3257.5	3330	9.3	190244.7	+3200.6
3061	8.0	180502.8	+3220.3	3151	9.5	182751.2	+3204.1	3241	9.5	184741.3	+3238.3	3331	9.3	190256.1	+3215.7
3062	8.9	180520.7	+3209.8	3152	8.3	182831.4	+3202.1	3242	9.0	184742.4	+3234.3	3332	9.3	190306.8	+3255.8
3063	9.5	180534.0	+3208.1	3153	9.5	182909.5	+3251.3	3243	9.0	184746.0	+3213.6	3333	9.5	190324.5	+3212.0
3064	9.1	180543.7	+3256.5	3154	9.5	182913.9	+3210.2	3244	9.3	184746.5	+3234.1	3334	8.4	190337.9	+3202.3
3065	9.5	180544.9	+3238.6	3155	9.2	182925.5	+3239.8	3245	9.3	184805.9	+3226.0	3335	8.0	190352.3	+3258.1
3066	9.4	180545.6	+3224.6	3156	9.3	182945.8	+3206.2	3246	9.0	184812.3	+3250.8	3336	9.0	190404.2	+3227.8
3067	9.5	180546.8	+3223.5	3157	9.4	183015.8	+3221.3	3247	9.5	184824.6	+3215.6	3337	9.4	190420.9	+3236.4
3068	9.2	180553.4	+3206.7	3158	9.2	183056.6	+3208.6	3248	8.7	184830.4	+3203.9	3338	8.5	190432.4	+3210.8
3069	9.4	180622.4	+3258.6	3159	9.2	183118.7	+3217.6	3249	9.0	184846.3	+3203.8	3339	8.2	190438.9	+3238.1
3070	9.5	180625.9	+3252.0	3160	9.3	183154.5	+3259.0	3250	9.0	184914.4	+3254.0	3340	9.5	190445.0	+3235.7
3071	9.0	180637.2	+3205.0	3161	9.0	183208.5	+3219.2	3251	9.5	184915.3	+3259.5	3341	9.4	190445.5	+3201.4
3072	9.5	180657.4	+3253.3	3162	9.2	183217.0	+3227.5	3252	9.2	184927.1	+3249.0	3342	8.7	190456.3	+3259.6
3073	9.5	180704.4	+3211.3	3163	9.3	183219.5	+3236.5	3253	7.4	184948.3	+3225.4	3343	9.3	190456.3	+3259.6
3074	9.3	180730.8	+3215.1	3164	8.8	183232.7	+3207.2	3254	7.7	184950.8	+3213.4	3344	8.6	190506.9	+3200.0
3075	9.4	180748.3	+3211.3	3165	9.4	183242.4	+3222.4	3255	7.6	184954.6	+3227.6	3345	9.1	190515.5	+3210.2
3076	8.5	180831.1	+3214.5	3166	9.3	183243.0	+3230.1	3256	9.5	185003.6	+3216.6	3346	8.5	190516.7	+3251.4
3077	9.3	180833.5	+3210.5	3167	9.4	183255.9	+3231.1	3257	9.5	185004.5	+3225.9	3347	9.2	190529.2	+3246.2
3078	9.0	180856.8	+3220.0	3168	9.4	183318.7	+3251.4	3258	9.1	185008.5	+3206.1	3348	9.5	190544.6	+3227.2
3079	9.3	180911.1	+3242.6	3169	9.3	183318.9	+3254.4	3259	9.4	185010.6	+3203.5	3349	9.3	190551.3	+3229.9
3080	9.2	180924.2	+3240.2	3170	9.5	183329.8	+3244.4	3260	9.2	185010.9	+3202.1	3350	8.7	190609.7	+3222.5
3081	9.0	180946.4	+3247.2	3171	9.4	183329.8	+3219.0	3261	8.7	185015.1	+3209.9	3351	9.5	190611.1	+3214.0
3082	9.5	181020.5	+3211.0	3172	8.1	183334.8	+3206.0	3262	9.5	185024.0	+3218.7	3352	9.4	190619.6	+3237.4
3083	9.5	181039.7	+3253.3	3173	9.3	183340.5	+3237.1	3263	9.0	185059.3	+3258.4	3353	9.5	190631.3	+3247.7
3084	9.4	181042.0	+3239.5	3174	9.4	183347.2	+3258.0	3264	9.5	185102.7	+3231.5	3354	7.6	190646.6	+3200.4
3085	8.7	181054.6	+3214.1	3175	9.1	183350.8	+3234.1	3265	9.3	185104.3	+3222.1	3355	9.5	190650.4	+3202.3
3086	9.5	181116.8	+3213.0	3176	9.4	183408.1	+3229.0	3266	9.2	185110.5	+3219.9	3356	9.0	190702.0	+3227.5
3087	9.3	181143.5	+3226.5	3177	9.3	183416.5	+3210.7	3267	6.7	185135.3	+3242.9	3357	8.9	190702.8	+3206.6
3088	9.1	181200.6	+3231.7	3178	9.3	183511.8	+3222.8	3268	9.1	185201.5	+3211.4	3358	8.8	190712.8	+3232.7
3089	9.1	181212.7	+3249.2	3179	9.3	183520.4	+3234.6	3269	9.5	185201.8	+3215.9	3359	9.3	190720.7	+3222.8
3090	9.5	181225.8	+3205.2	3180	9.3	183525.3	+3259.4	3270	9.1	185206.3	+3226.0	3360	9.5	190810.5	+3215.9
3091	9.1	181242.5	+3222.2	3181	9.4	183533.1	+3215.2	3271	8.0	185209.3	+3248.0	3361	9.2	190825.2	+3218.1
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*32 3739 20h06m

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3762	9.5	201032.4	+3200.8	3851	9.4	202551.7	+3208.5	3940	9.5	204128.6	+3202.3	4030	9.4	205624.1	+3208.5
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3764	9.3	201037.2	+3253.4	3853	9.4	202611.5	+3230.3	3942	9.0	204142.2	+3209.3	4032	9.4	205626.4	+3233.8
3765	9.5	201048.0	+3250.9	3854	9.5	202612.8	+3227.8	3943	9.2	204149.5	+3222.1	4033	9.3	205631.3	+3232.9
3766	9.0	201112.9	+3207.9	3855	9.4	202627.8	+3202.9	3944	9.4	204150.9	+3226.0	4034	9.0	205635.7	+3226.7
3767	9.0	201113.5	+3240.3	3856	9.1	202630.8	+3218.9	3945	9.2	204204.6	+3237.6	4035	9.5	205726.4	+3222.3
3768	9.5	201116.8	+3251.4	3857	9.5	202718.1	+3258.0	3946	9.1	204209.5	+3254.4	4036	9.5	205727.2	+3249.2
3769	9.4	201140.0	+3249.9	3858	8.7	202724.6	+3254.7	3947	9.5	204217.3	+3208.0	4037	9.4	205734.2	+3209.9
3770	9.5	201200.4	+3216.8	3859	9.5	202726.0	+3202.8	3948	9.1	204222.6	+3258.8	4038	9.3	205749.7	+3253.2
3771	8.4	201214.0	+3240.0	3860	7.5	202733.6	+3253.2	3949	9.4	204239.2	+3235.9	4039	8.0	205807.1	+3239.6
3772	9.1	201218.7	+3240.6	3861	9.3	202737.1	+3215.4	3950	9.5	204242.8	+3203.0	4040	9.0	205820.8	+3257.3
3773	8.0	201219.0	+3244.7	3862	7.5	202743.2	+3225.0	3951	9.2	204248.4	+3257.6	4041	9.4	205828.6	+3214.5
3774	9.5	201227.0	+3223.7	3863	9.5	202757.8	+3242.3	3952	9.5	204316.9	+3245.8	4042	9.5	205843.9	+3206.8
3775	9.5	201227.2	+3248.1	3864	9.0	202829.4	+3224.6	3953	8.9	204320.5	+3220.4	4043	8.7	205848.4	+3252.2
3776	8.1	201227.9	+3215.0	3865	6.7	202854.7	+3200.6	3954	9.4	204324.4	+3241.4	4044	8.6	205904.1	+3226.5
3777	9.2	201244.0	+3253.1	3866	9.3	202914.6	+3213.0	3955	9.5	204357.6	+3215.2	4045	9.3	205914.8	+3249.4
3778	8.4	201253.9	+3249.3	3867	8.7	202917.6	+3252.7	3956	9.5	204400.5	+3222.6	4046	8.0	205922.2	+3255.1
3779	8.0	201303.0	+3247.8	3868	9.2	202918.6	+3229.0	3957	9.5	204408.4	+3203.3	4047	9.5	205938.6	+3201.1
3780	9.4	201305.2	+3214.9	3869	9.5	202941.0	+3210.3	3958	9.5	204408.8	+3240.1	4048	9.4	205949.5	+3256.6
3781	8.9	201307.1	+3203.1	3870	9.5	203012.7	+3201.2	3959	9.5	204411.6	+3242.6	4049	8.1	210026.6	+3239.6
3782	9.3	201315.6	+3257.2	3871	8.3	203036.9	+3223.6	3960	9.5	204418.1	+3254.7	4050	9.4	210031.2	+3235.0
3783	9.5	201316.7	+3215.1	3872	8.4	203038.8	+3235.2	3961	9.5	204423.6	+3213.0	4051	9.3	210034.6	+3239.2
3784	9.5	201330.0	+3224.9	3873	8.2	203051.6	+3229.7	3962	8.8	204434.8	+3216.5	4052	9.2	210044.5	+3255.0
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3787	9.5	201357.1	+3231.9	3876	9.5	203108.6	+3251.7	3965	9.5	204514.1	+3205.3	4055	9.4	210109.1	+3223.9
3788	9.0	201411.8	+3257.3	3877	9.4	203111.6	+3252.7	3966	9.4	204518.2	+3216.2	4056	9.5	210119.0	+3202.8
3789	9.0	201413.4	+3200.9	3878	9.4	203116.9	+3249.5	3967	9.5	204524.3	+3247.5	4057	9.3	210120.1	+3214.6
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3801	9.4	201606.1	+3248.8	3890	9.5	203324.5	+3216.7	3979	8.9	204753.7	+3235.5	4069	7.5	210306.7	+3210.9
3802	9.5	201613.0	+3232.7	3891	9.2	203347.8	+3258.1	3980	6.0	204801.6	+3253.2	4070	9.5	210316.5	+3235.0
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53	9.5	01841.5	+3109.9	143	7.8	04808.6	+3132.7	231	9.3	11320.5	+3157.3	321	9.3	14142.9	+3104.9
54	9.4	01907.3	+3158.4	144	7.9	04906.9	+3105.6	232	8.4	11338.4	+3153.0	322	9.4	14154.2	+3157.1
55	9.5	01921.6	+3153.9	145	9.5	04933.7	+3145.9	233	9.4	11345.7	+3121.3	323	9.5	14229.1	+3154.6
56	9.5	01944.8	+3151.6	146	9.2	04941.2	+3102.3	234	9.3	11430.6	+3127.9	324	9.5	14314.1	+3151.5
57	9.0	02001.4	+3104.3	147	9.1	04947.5	+3125.1	235	9.5	11446.5	+3120.1	325	9.3	14353.2	+3129.9
58	9.4	02013.2	+3156.9	148	8.7	05018.7	+3112.8	236	7.6	11451.3	+3105.0	326	9.3	14409.0	+3151.6
59	6.7	02050.5	+3138.2	149	9.0	05052.8	+3154.0	237	9.4	11505.7	+3101.1	327	8.7	14440.2	+3129.4
60	9.3	02101.9	+3100.1	150	6.8	05113.7	+3141.5	238	9.0	11521.6	+3101.6	328	9.4	14441.2	+3123.3
61	9.2	02113.6	+3104.4	151	9.4	05115.3	+3111.7	239	9.0	11545.8	+3116.4	329	8.0	14510.8	+3113.7
62	9.4	02138.0	+3102.5	152	9.5	05137.4	+3135.9	240	9.4	11607.4	+3153.9	330	9.5	14512.5	+3129.5
63	9.5	02140.0	+3152.6	153	7.3	05137.8	+3143.6	241	9.0	11612.3	+3109.0	331	9.0	14513.8	+3116.8
64	9.5	02229.7	+3100.7	154	9.2	05138.4	+3134.7	242	9.5	11617.7	+3141.5	332	9.5	14537.4	+3150.6
65	9.5	02247.0	+3144.4	155	8.5	05138.6	+3158.8	243	8.0	11632.0	+3114.2	333	9.2	14557.2	+3110.9
66	7.9	02250.8	+3123.4	156	9.4	05151.1	+3141.8	244	8.7	11652.9	+3107.5	334	8.7	14616.6	+3108.1
67	7.8	02300.0	+3119.6	157	9.0	05154.4	+3113.7	245	9.4	11715.8	+3149.0	335	9.5	14633.7	+3134.3
68	9.5	02306.1	+3150.9	158	7.7	05204.9	+3104.6	246	9.5	11720.4	+3149.7	336	9.5	14657.4	+3115.0
69	8.5	02329.3	+3154.8	159	8.5	05210.9	+3131.9	247	8.7	11724.1	+3114.0	337	9.5	14708.6	+3144.1
70	9.4	02419.0	+3100.3	160	9.5	05223.7	+3119.5	248	9.4	11743.7	+3111.1	338	9.4	14719.2	+3140.6
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72	9.1	02607.2	+3100.1	162	9.5	05255.4	+3108.8	250	9.1	11803.7	+3109.2	340	9.5	14748.5	+3148.1
73	9.4	02613.6	+3134.6	163	9.5	05258.8	+3120.3	251	8.8	11816.0	+3139.6	341	9.5	14848.8	+3146.0
74	8.9	02626.2	+3134.8	164	8.5	05335.5	+3101.6	252	9.5	11912.3	+3135.9	342	8.9	14909.7	+3119.8
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77	9.1	02757.5	+3129.3	167	8.9	05419.4	+3122.6	255	9.5	12002.4	+3112.1	345	9.5	14934.9	+3158.5
78	8.8	02800.6	+3125.9	168	5.5	05454.0	+3102.1	256	9.4	12027.0	+3126.0	346	9.0	15004.4	+3114.1
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80	9.1	02825.7	+3152.3	170	9.4	05544.8	+3156.1	258	8.5	12035.8	+3141.8	348	9.5	15032.1	+3105.9
81	9.5	02908.3	+3156.0	171	9.5	05630.9	+3104.6	259	9.5	12103.6	+3157.4	349	9.5	15144.4	+3118.4
82	9.3	02919.5	+3122.4	172	9.5	05654.9	+3147.2	260	9.0	12152.5	+3149.4	350	8.3	15153.1	+3111.2
83	9.5	02919.6	+3154.5	173	9.5	05710.2	+3153.8	261	9.1	12156.8	+3116.4	351	9.4	15205.3	+3130.0
84	9.5	02948.7	+3142.0	174	9.1	05719.7	+3110.3	262	8.2	12218.0	+3126.9	352	8.7	15247.0	+3105.0
85	9.5	02955.1	+3116.6	175	9.5	05722.8	+3117.1	263	9.4	12246.8	+3139.6	353	9.4	15304.7	+3119.8
86	8.5	03014.5	+3124.5	176	9.5	05725.6	+3135.4	264	9.2	12250.4	+3135.8	354	8.0	15322.5	+3125.3
87	9.1	03021.0	+3146.8	177	9.4	05726.2	+3125.0	265	9.5	12305.8	+3145.9	355	9.4	15341.2	+3155.1
88	8.3	03055.9	+3107.0	178	9.5	05756.1	+3143.1	266	9.3	12308.1	+3152.9	356	9.5	15424.9	+3115.3
89	8.5	03145.4	+3150.3	179	9.0	05804.8	+3128.9	267	9.5	12353.3	+3127.7	357	8.6	15452.9	+3142.6
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92	9.5	03247.4	+3104.4	182	9.5	05823.1	+3136.7	270	9.5	12445.8	+3129.6	360	9.4	15522.2	+3126.0
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94	9.5	03300.6	+3148.2	184	9.4	05941.1	+3123.7	272	9.5	12555.8	+3158.0	362	9.5	15555.3	+3101.8
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97	9.5	03404.2	+3110.4	187	9.2	10022.7	+3112.7	275	9.4	12624.1	+3131.8	365	9.2	15733.0	+3154.0
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+31 1472 6h53m

+31 1473 6h53m

+31 1830 8h23m

1473	7.8	65318.7	+3134.1	1563	8.7	71523.9	+3108.3	1652	9.5	73418.7	+3150.2	1742	9.2	80031.3	+3146.3
1474	8.0	65325.1	+3146.0	1564	9.5	71527.2	+3131.2	1653	9.5	73423.5	+3129.9	1743	9.2	80044.2	+3148.3
1475	8.8	65340.1	+3107.8	1565	9.5	71540.0	+3149.5	1654	9.5	73426.8	+3107.2	1744	9.3	80046.9	+3112.6
1476	9.4	65404.4	+3102.4	1566	9.2	71603.6	+3100.3	1655	9.4	73439.7	+3158.1	1745	9.0	80109.1	+3128.8
1477	9.5	65407.5	+3147.1	1567	9.5	71627.7	+3111.7	1656	9.5	73500.3	+3138.8	1746	9.3	80118.5	+3113.6
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1481	9.5	65529.0	+3113.0	1571	9.3	71715.4	+3128.5	1660	7.7	73525.5	+3127.4	1750	9.3	80218.1	+3126.1
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1483	9.4	65550.2	+3153.7	1573	9.2	71720.6	+3120.5	1662	9.0	73634.0	+3155.1	1751	9.4	80222.0	+3150.4
1484	8.6	65609.0	+3135.1	1574	7.5	71722.0	+3154.2	1663	9.5	73645.6	+3126.4	1752	9.5	80226.9	+3103.5
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1486	9.5	65614.2	+3152.9	1576	9.0	71731.1	+3153.2	1665	9.4	73823.6	+3128.3	1754	8.3	80227.7	+3150.2
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1516	8.5	70527.7	+3138.4	1605	9.4	72259.4	+3131.4	1695	9.3	74600.4	+3149.2	1784	8.3	81032.4	+3109.2
1517	8.5	70533.3	+3143.6	1606	8.3	72301.4	+3124.0	1696	9.5	74608.7	+3158.9	1785	9.5	81050.3	+3147.1
1518	9.5	70535.2	+3150.9	1607	9.1	72321.8	+3139.1	1697	9.5	74625.6	+3107.5	1786	9.3	81117.6	+3157.4
1519	9.1	70567.8	+3116.0	1608	8.5	72336.6	+3135.4	1698	9.4	74707.6	+3151.3	1787	9.5	81125.0	+3119.8
1520	9.1	70619.4	+3136.3	1609	9.1	72343.0	+3102.8	1699	9.4	74736.1	+3157.8	1788	9.5	81139.9	+3105.8
1521	8.5	70647.3	+3105.6	1610	9.1	72351.5	+3135.9	1700	8.7	74756.6	+3131.8	1789	9.4	81144.7	+3122.9
1522	9.2	70648.1	+3118.1	1611	8.7	72415.7	+3159.9	1701	9.5	74820.8	+3133.6	1790	9.1	81237.1	+3133.0
1523	9.4	70654.0	+3158.7	1612	7.8	72420.4	+3109.9	1702	9.3	74833.1	+3142.6	1791	9.3	81241.6	+3151.5
1524	9.3	70749.1	+3106.3	1613	9.5	72432.0	+3156.5	1703	9.0	74911.2	+3123.0	1792	9.1	81250.6	+3127.8
1525	9.0	70758.8	+3134.4	1614	9.3	72444.7	+3158.3	1704	9.1	74927.6	+3141.3	1793	9.5	81307.1	+3127.1
1526	9.2	70807.1	+3105.7	1615	8.5	72506.9	+3132.4	1705	8.3	75002.8	+3106.6	1794	9.2	81307.9	+3149.0
1527	6.7	70810.6	+3157.3	1616	9.0	72520.3	+3130.7	1706	8.5	75016.6	+3153.4	1795	9.5	81325.4	+3125.3
1528	9.3	70810.7	+3139.4	1617	9.1	72526.9	+3106.7	1707	9.5	75028.1	+3122.7	1796	9.4	81331.7	+3141.2
1529	6.5	70849.0	+3112.6	1618	9.0	72527.5	+3126.0	1708	9.1	75043.2	+3139.1	1797	9.5	81337.1	+3133.0
1530	9.3	70906.8	+3146.5	1619	9.5	72547.9	+3144.0	1709	9.5	75050.6	+3154.7	1798	9.1	81346.6	+3125.7
1531	8.5	70909.6	+3105.6	1620	6.5	72556.4	+3116.1	1710	8.5	75055.3	+3157.2	1799	9.3	81352.5	+3134.0
1532	9.5	70927.9	+3150.7	1621	9.4	72602.5	+3130.7	1711	9.3	75108.5	+3106.9	1800	9.2	81352.5	+3154.7
1533	9.3	71051.8	+3155.5	1622	9.3	72635.2	+3131.4	1712	9.4	75135.4	+3100.9	1801	9.5	81426.9	+3150.9
1534	8.2	71058.0	+3138.0	1623	8.6	72640.7	+3101.5	1713	9.5	75148.3	+3145.0	1802	8.9	81438.1	+3151.2
1535	9.5	71104.3	+3112.4	1624	8.2	72641.4	+3146.5	1714	9.5	75153.6	+3139.1	1803	8.8	81445.1	+3107.5
1536	9.4	71105.9	+3120.6	1625	9.5	72646.3	+3126.7	1715	9.0	75234.1	+3134.7	1804	8.3	81450.5	+3145.7
1537	9.0	71109.7	+3104.8	1626	9.5	72656.2	+3134.4	1716	9.4	75338.3	+3143.4	1805	9.4	81454.2	+3157.8
1538	9.1	71111.4	+3129.1	1627	8.5	72708.9	+3158.7	1717	9.3	75346.8	+3102.3	1806	7.5	81503.9	+3146.6
1539	9.4	71112.1	+3135.3	1628	8.9	72713.4	+3125.7	1718	9.5	75359.1	+3130.2	1807	8.4	81511.7	+3112.2
1540	8.7	71127.2	+3144.1	1629	9.4	72719.8	+3106.4	1719	9.0	75435.6	+3125.3	1808	8.8	81523.9	+3130.7
1541	9.0	71127.4	+3144.9	1630	9.5	72746.2	+3137.8	1720	9.2	75455.4	+3109.4	1809	8.8	81624.6	+3150.8
1542	8.8	71137.4	+3158.0	1631	9.5	72750.9	+3128.9	1721	9.5	75456.1	+3130.2	1810	8.6	81645.4	+3132.1
1543	9.1	71138.1	+3144.3	1632	9.5	72812.5	+3108.9	1722	9.4	75503.4	+3159.2	1811	8.4	81701.8	+3119.8
1544	8.8	71156.4	+3152.9	1633	7.5	72815.3	+3156.0	1723	9.5	75525.1	+3115.4	1812	9.5	81702.5	+3136.7
1545	9.3	71208.8	+3149.3	1634	8.3	72907.4	+3101.3	1724	9.3	75535.1	+3135.0	1813	9.2	81802.0	+3144.3
1546	9.5	71216.2	+3100.4	1635	8.1	72909.9	+3138.8	1725?	9.5	75620.4	+3154.0	1814	7.9	81835.9	+3100.1
1547	9.2	71216.9	+3111.3	1636	9.2	72937.0	+3127.0	1726	8.1	75627.9	+3143.3	18			

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+31 2189 10h41m

1831	9.2	82356.0	+3142.5	1921	9.5	85330.7	+3101.0	2011	5.3	92806.4	+3148.2	2100	8.4	100011.8	+3118.8
1832	9.2	82358.7	+3135.5	1922	9.5	85340.5	+3122.6	2012	8.9	92836.5	+3154.5	2101	9.3	100108.4	+3139.8
1833	8.5	82409.9	+3159.8	1923	8.0	85351.5	+3155.5	2013	9.3	92839.1	+3143.8	2102	9.2	100113.5	+3143.9
1834	9.2	82450.9	+3132.1	1924	9.5	85500.3	+3112.9	2014	8.0	92851.3	+3137.5	2103	9.5	100215.4	+3137.3
1835	8.8	82500.7	+3122.2	1925	9.5	85526.0	+3149.4	2015	9.5	92854.3	+3155.4	2104	9.0	100255.0	+3146.3
1836	9.4	82504.6	+3128.7	1926	9.5	85526.7	+3102.9	2016	9.4	92856.8	+3113.8	2105	8.8	100307.8	+3130.5
1837	9.5	82530.3	+3116.6	1927	9.5	85555.0	+3141.7	2017	9.5	92955.2	+3130.3	2106	9.5	100322.0	+3146.6
1838	9.5	82538.5	+3148.0	1928	9.5	85600.6	+3104.0	2018	8.5	93000.7	+3125.4	2107	9.4	100329.0	+3129.4
1839	9.5	82605.9	+3104.1	1929	9.5	85733.5	+3152.2	2019	9.3	93101.0	+3131.3	2108	9.2	100334.7	+3117.1
1840	9.5	82609.2	+3106.7	1930	8.3	85738.1	+3129.1	2020	9.0	93217.0	+3122.6	2109	9.5	100424.6	+3104.8
1841	9.3	82617.2	+3141.3	1931	8.9	85809.5	+3157.2	2021	9.2	93219.2	+3147.5	2110	9.3	100502.4	+3135.0
1842	9.3	82630.6	+3134.0	1932	9.5	85821.0	+3131.8	2022	9.2	93223.5	+3150.3	2111	8.8	100555.6	+3153.8
1843	9.5	82645.0	+3151.7	1933	8.5	85821.5	+3112.5	2023	9.4	93231.3	+3140.7	2112	9.5	100601.9	+3116.5
1844	8.8	82700.7	+3106.5	1934	6.7	85850.1	+3147.5	2024	9.5	93240.7	+3113.0	2113	9.5	100620.8	+3118.0
1845	9.5	82724.4	+3129.5	1935	9.5	85906.9	+3118.8	2025	9.4	93246.5	+3109.1	2114	8.8	100633.5	+3142.6
1846	9.5	82852.6	+3155.9	1936	9.0	85919.4	+3139.4	2026	6.2	93300.1	+3155.4	2115	9.5	100637.6	+3147.1
1847	9.2	82927.0	+3120.0	1937	8.3	85948.4	+3111.9	2027	9.5	93303.9	+3114.8	2116	9.5	100720.1	+3119.4
1848	8.5	82941.3	+3139.7	1938	9.3	90009.4	+3103.4	2028	9.4	93338.3	+3150.6	2117	9.3	100722.6	+3145.6
1849	7.5	82941.7	+3112.5	1939	9.0	90019.9	+3105.3	2029	9.3	93341.0	+3102.7	2118	9.5	100802.4	+3109.5
1850	9.0	82944.4	+3155.7	1940	9.0	90047.6	+3104.2	2030	9.4	93343.7	+3101.4	2119	7.4	100917.8	+3136.6
1851	9.5	82951.3	+3111.1	1941	7.5	90051.9	+3118.5	2031	8.8	93350.2	+3156.2	2120	8.9	100941.6	+3109.0
1852	9.0	83020.5	+3100.4	1942	9.3	90057.0	+3102.0	2032	9.4	93403.3	+3102.8	2121	8.8	101015.4	+3120.1
1853	9.3	83043.8	+3117.9	1943	9.4	90102.1	+3101.8	2033	9.5	93405.4	+3133.3	2122	9.4	101124.3	+3111.0
1854	9.0	83045.6	+3113.6	1944	9.3	90132.2	+3155.9	2034	9.4	93433.6	+3152.6	2123	9.5	101136.8	+3106.7
1855	9.4	83102.2	+3110.7	1945	9.5	90151.3	+3109.9	2035	9.5	93436.6	+3122.0	2124	9.5	101145.4	+3115.2
1856	9.5	83109.7	+3155.5	1946	6.5	90152.2	+3133.8	2036	9.5	93437.7	+3126.8	2125	7.1	101235.3	+3123.4
1857	8.0	83111.0	+3131.5	1947	9.4	90152.7	+3107.9	2037	9.5	93703.9	+3120.3	2126	8.5	101251.9	+3110.5
1858	9.5	83111.3	+3104.0	1948	9.5	90258.5	+3149.7	2038	9.3	93735.6	+3125.6	2127	9.5	101309.0	+3124.1
1859	9.2	83144.6	+3144.8	1949	9.5	90330.0	+3105.0	2039	9.1	93737.8	+3131.8	2128	9.4	101317.3	+3127.6
1860	9.5	83218.4	+3102.4	1950	9.5	90416.9	+3149.4	2040	9.0	93737.9	+3108.7	2129	9.4	101339.7	+3151.6
1861	9.3	83223.8	+3154.9	1951	9.5	90453.8	+3137.1	2041	9.5	93745.2	+3130.2	2130	9.5	101430.0	+3146.7
1862	9.5	83227.4	+3121.6	1952	9.0	90517.9	+3140.6	2042	9.3	93740.7	+3150.1	2131	8.3	101436.8	+3103.3
1863	9.0	83306.3	+3141.9	1953	8.9	90525.4	+3120.5	2043	9.5	93749.1	+3152.6	2132	9.3	101441.9	+3137.4
1864	9.0	83307.3	+3124.6	1954	9.5	90613.9	+3123.9	2044	9.5	93811.7	+3115.0	2133	7.0	101446.8	+3134.9
1865	9.2	83335.5	+3109.7	1955	8.4	90621.5	+3128.8	2045	8.8	93815.6	+3147.5	2134	9.5	101544.4	+3135.6
1866	8.7	83344.8	+3150.2	1956	9.5	90648.0	+3138.3	2046	9.5	93901.1	+3126.0	2135	9.2	101619.3	+3100.1
1867	9.0	83352.0	+3133.8	1957	9.5	90736.9	+3113.2	2047	9.5	93925.3	+3108.9	2136	7.5	101645.9	+3106.5
1868	8.4	83437.4	+3150.2	1958	9.5	90751.5	+3141.8	2048	8.8	93932.6	+3155.4	2137	8.8	101723.4	+3118.4
1869	9.5	83507.4	+3144.9	1959	9.5	90828.6	+3101.8	2049	9.2	93957.4	+3151.8	2138	9.0	101729.2	+3153.0
1870	9.4	83531.7	+3100.4	1960	9.2	90834.9	+3137.9	2050	9.3	94005.4	+3155.3	2139	9.5	101729.9	+3141.4
1871	9.5	83536.6	+3109.5	1961	7.8	90842.6	+3153.1	2051	8.6	94029.7	+3140.2	2140	9.1	101841.4	+3119.0
1872	9.4	83542.0	+3132.9	1962	9.5	90853.5	+3140.3	2052	9.5	94029.8	+3102.0	2141	9.2	101845.5	+3126.0
1873	8.9	83547.4	+3123.9	1963	9.5	90854.8	+3101.5	2053	6.7	94109.2	+3150.2	2142	8.9	101900.7	+3137.5
1874	9.0	83558.8	+3138.8	1964	9.5	90858.9	+3131.7	2054	9.5	94115.1	+3145.2	2143	8.7	102004.4	+3110.8
1875	9.4	83608.0	+3122.8	1965	9.5	90909.8	+3156.5	2055	9.4	94120.0	+3115.8	2144	9.4	102022.9	+3139.8
1876	6.3	83627.0	+3115.0	1966	9.5	90946.0	+3105.7	2056	9.4	94129.5	+3104.3	2145	8.9	102155.2	+3135.6
1877	9.5	83651.4	+3111.1	1967	9.2	91009.9	+3107.6	2057	9.4	94158.2	+3107.5	2146	8.9	102202.6	+3147.7
1878	9.4	83708.3	+3115.1	1968	9.1	91045.7	+3115.0	2058	9.5	94202.8	+3154.8	2147	8.8	102246.5	+3103.6
1879	9.5	83754.9	+3143.4	1969	9.5	91049.7	+3132.8	2059	8.4	94329.9	+3158.6	2148	8.2	102327.7	+3148.0
1880	9.2	83803.0	+3113.6	1970	9.0	91114.9	+3133.8	2060	9.5	94352.5	+3103.7	2149	8.8	102335.4	+3148.4
1881	9.5	83853.4	+3148.3	1971	9.5	91358.9	+3128.0	2061	9.2	94443.4	+3127.4	2150	8.7	102349.2	+3129.6
1882	9.3	83902.9	+3153.3	1972	9.5	91407.4	+3110.3	2062	9.1	94446.7	+3114.4	2151	9.4	102406.1	+3100.2
1883	9.2	83933.8	+3123.7	1973	9.5	91414.9	+3154.2	2063	9.5	94455.6	+3105.7	2152	9.0	102420.4	+3145.0
1884	8.5	83953.6	+3101.4	1974	9.0	91501.8	+3138.7	2064	9.2	94520.1	+3138.8	2153	9.3	102422.2	+3152.7
1885	9.5	84016.9	+3151.7	1975	9.5	91542.1	+3125.1	2065	9.5	94554.7	+3153.9	2154	8.1	102459.0	+3131.2
1886	9.0	84054.1	+3144.8	1976	9.5	91547.2	+3133.7	2066	8.0	94555.3	+3120.9	2155	9.5	102508.2	+3137.1
1887	9.4	84054.2	+3116.0	1977	9.0	91549.7	+3120.7	2067	9.5	94616.0	+3140.5	2156	9.2	102519.1	+3152.6
1888	9.5	84123.9	+3121.9	1978	7.5	91648.3	+3107.1	2068	9.5	94635.3	+3155.7	2157	9.4	102544.8	+3159.3
1889	9.5	84136.8	+3130.5	1979	8.8	91718.0	+3156.3	2069	9.5	94638.1	+3128.5	2158	9.4	102552.2	+3136.4
1890	9.5	84202.9	+3143.8	1980	9.4	91722.5	+3112.4	2070	9.2	94707.3	+3149.5	2159	9.5	102706.1	+3119.8
1891	9.1	84207.9	+3156.3	1981	9.4	91723.3	+3143.0	2071	9.5	94713.3	+3120.9	2160	9.3	102707.8	+3125.8
1892	9.5	84209.6	+3110.1	1982	8.8	91736.7	+3146.4	2072	8.6	94715.4	+3151.2	2161	9.0	102741.0	+3117.1
1893	9.3	84220.4	+3131.2	1983	9.2	91748.8	+3123.4	2073	9.5	94723.6	+3108.2	2162	9.4	102742.8	+3154.9
1894	9.5	84244.5	+3134.2	1984	8.4	91753.0	+3148.9	2074	9.5	94927.0	+3139.9	2163	9.5	102744.2	+3144.1
1895	9.4	84244.7	+3128.7	1985	9.5	91843.2	+3148.8	2075	8.0	94951.9	+3113.3	2164	8.3	102747.7	+3110.1
1896	9.2	84324.9	+3142.1	1986	9.4	91913.5	+3108.2	2076	9.4	95008.0	+3157.1	2165	9.5	102841.8	+3123.8
1897	9.2	84327.3	+3134.3	1987	9.5	92015.6	+3137.9	2077	9.5	95035.3	+3158.2	2166	9.0	102845.6	+3150.2
1898	9.5	84340.9	+3130.8	1988	9.5	92019.3	+3125.5	2078	8.0	95043.1	+3105.8	2167	9.2	102845.9	+3119.1
1899	9.5	84349.4	+3147.6	1989	9.5	92027.4	+3158.1	2079	9.5	95121.3	+3108.2	2170	9.2	103023.1	+3159.5
1900	9.4	84354.0	+3132.8	1990	8.8	92118.7	+3149.8	2080	9.3	95200.0	+3107.3	2171	9.2	103028.7	+3138.5
1901	8.9	84410.7	+3137.9	1991	9.5	92130.6	+3138.5	2081	9.2	95238.0	+3141.9	2172	9.2	103120.6	+3151.6
1902	8.9	84425.4	+3131.1	1992	7.3	92132.5	+3156.8	2082	8.6	95250.0	+3131.7	2173	8.9	103131.7	+3139.6
1903	9.5	84432.6	+3141.4	1993	9.4	92200.0	+3118.6	2083	7.7	95300.0	+3116.1	2174	9.4	103146.4	+3142.5
1904	9.5	84441.0	+3116.3	1994	9.3	92219.3	+3128.2	2084	9.2	95424.4	+3136.3	2175	9.2	103215.7	+3135.6
1905	9.2	84508.1	+3116.3	1995											

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2190 9.4 104114.2 +3125.4
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+31 2905 16h41m

+31 2906 16h42m

2906	9.1	164202.4	+3145.2	2995	9.2	171322.2	+3148.8	3084	9.4	173835.9	+3101.0	3174	9.5	180225.1	+3151.0
2907	9.5	164209.2	+3157.2	2996	9.2	171323.8	+3144.5	3085	8.1	173900.6	+3144.6	3175	9.5	180231.1	+3144.8
2908	8.5	164220.6	+3151.5	2997	9.2	171332.1	+3103.6	3086	8.8	173901.2	+3106.4	3176	9.2	180231.7	+3124.5
2909	9.5	164258.4	+3121.8	2998	9.2	171431.5	+3121.4	3087	7.5	173921.8	+3112.1	3177	8.8	180235.7	+3129.4
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2911	8.9	164321.1	+3130.5	3000	9.2	171441.5	+3156.3	3089	9.0	173948.2	+3134.3	3179	9.4	180248.7	+3117.2
2912	9.2	164325.4	+3145.7	3001	9.5	171459.8	+3128.3	3090	6.5	174012.6	+3149.5	3180	8.0	180307.7	+3126.2
2913	9.1	164425.9	+3108.0	3001a	9.5	171505.8	+3139.6	3091	9.2	174028.7	+3101.1	3181	8.8	180325.0	+3144.8
2914	9.5	164453.8	+3132.8	3002	9.2	171515.2	+3113.5	3092	9.3	174103.5	+3146.4	3182	9.3	180326.9	+3157.1
2915	9.5	164514.1	+3129.8	3003	9.5	171537.5	+3109.1	3093	9.4	174109.5	+3150.7	3183	9.0	180331.6	+3145.0
2916	9.0	164521.9	+3141.6	3004	7.5	171546.2	+3123.8	3094	9.4	174109.7	+3146.5	3184	8.9	180333.7	+3159.7
2917	9.4	164540.4	+3158.6	3005	9.0	171606.3	+3157.4	3095	9.4	174112.9	+3149.1	3185	9.5	180334.1	+3100.8
2918	9.4	164552.4	+3125.5	3006	9.1	171636.0	+3110.0	3096	9.5	174229.3	+3158.5	3186	9.3	180342.6	+3127.8
2919	9.4	164556.7	+3117.7	3007	9.5	171647.0	+3123.0	3097	9.2	174146.6	+3115.1	3187	9.5	180349.4	+3115.6
2920	9.0	164558.6	+3156.9	3008	9.4	171728.1	+3109.1	3098	9.5	174310.1	+3123.7	3188	9.0	180355.8	+3142.8
2921	9.0	164604.8	+3105.0	3009	9.3	171747.8	+3141.1	3099	9.3	174330.8	+3103.8	3189	9.5	180403.5	+3111.3
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2923	9.0	164614.6	+3146.7	3011	9.3	171756.7	+3118.1	3101	9.3	174426.5	+3136.7	3191	9.4	180436.7	+3137.9
2924	9.1	164616.5	+3154.5	3012	9.3	171808.4	+3148.0	3102	9.0	174437.6	+3132.9	3192	9.1	180454.1	+3121.4
2925	6.2	164730.9	+3156.8	3013	9.5	171845.1	+3115.5	3103	9.1	174458.5	+3138.8	3193	9.5	180513.6	+3102.4
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2939	9.0	165255.1	+3158.9	3027	8.0	172117.4	+3112.1	3117	9.1	174745.9	+3106.8	3207	9.0	180732.7	+3127.4
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2964	8.2	170121.8	+3113.3	3053	9.5	172713.1	+3145.8	3143	9.0	175533.2	+3145.1	3233	8.9	181303.1	+3107.6
2965	8.5	170133.8	+3116.2	3054	9.4	172811.0	+3130.6	3144	9.4	175542.4	+3116.3	3234	9.5	181315.5	+3106.6
2966	9.5	170135.2	+3136.8	3055	9.3	172956.8	+3108.9	3145	9.3	175546.4	+3108.7	3235	9.4	181322.6	+3154.0
2967	6.8	170229.3	+3124.2	3056	9.3	173028.8	+3132.3	3146	9.5	175549.0	+3103.4	3236	9.4	181338.0	+3127.7
2968	9.5	170305.1	+3127.9	3057	8.7	173126.7	+3151.0	3147	9.5	175615.9	+3101.0	3237	9.3	181407.1	+3110.3
2969	9.2	170305.1	+3144.2	3058	9.0	173135.2	+3134.6	3148	9.3	175623.3	+3109.4	3238	9.3	181410.5	+3157.7
2970	9.5	170305.7	+3135.8	3059	9.3	173143.2	+3129.5	3149	9.1	175634.4	+3133.1	3239	8.0	181420.3	+3104.9
2971	9.5	170420.4	+3157.1	3060	9.0	173143.2	+3134.2	3150	9.5	175711.4	+3157.1	3240	9.5	181438.0	+3153.0
2972	9.5	170442.7	+3125.2	3061	9.3	173148.5	+3124.7	3151	8.7	175716.0	+3155.1	3241	9.5	181502.1	+3109.7
2973	9.4	170450.8	+3101.9	3062	8.6	173150.5	+3116.1	3152	8.0	175741.0	+3156.7	3242	8.0	181505.7	+3100.3
2974	9.5	170456.0	+3130.4	3063	9.1	173157.6	+3153.6	3153	9.5	175758.8	+3102.5	3243	9.5	181513.1	+3144.8
2975	9.3	170459.1	+3112.9	3064	9.0	173212.5	+3107.5	3154	9.5	175815.8	+3128.3	3244	9.1	181513.5	+3130.0
2976	9.5	170459.5	+3137.7	3065	8.7	173236.5	+3105.8	3155	9.2	175845.7	+3127.7	3245	9.4	181523.8	+3100.7
2977	7.5														

+31 3264 18h19m

+31 3623 19h23m

3264	9.5	181940.1	+3132.8	3354	9.5	183938.2	+3129.6	3444	9.3	185749.6	+3111.8	3534	9.1	191233.6	+3159.7
3265	8.0	182020.5	+3150.1	3355	9.5	183943.0	+3116.2	3445	8.5	185751.8	+3128.1	3535	8.8	191248.2	+3142.2
3266	8.3	182023.4	+3114.9	3356	9.5	183948.5	+3101.7	3446	9.5	185834.4	+3110.6	3536	9.4	191250.6	+3105.1
3267	8.9	182029.3	+3159.6	3357	9.5	183953.6	+3139.3	3447	9.0	185843.9	+3157.0	3537	9.5	191305.6	+3102.9
3268	9.0	182043.5	+3145.9	3358	9.4	183955.2	+3158.6	3448	8.2	185849.5	+3108.8	3538	8.3	191308.9	+3125.4
3269	8.0	182052.8	+3131.1	3359	9.2	184014.0	+3120.3	3449	9.5	185904.2	+3135.5	3539	8.9	191312.7	+3157.8
3270	9.2	182116.3	+3135.1	3360	9.2	184026.5	+3155.1	3450	9.5	185908.9	+3157.7	3540	8.5	191315.1	+3129.1
3271	7.8	182146.9	+3154.1	3361	9.1	184102.0	+3107.2	3451	9.5	185920.5	+3115.2	3541	8.9	191319.8	+3154.0
3272	7.7	182219.1	+3106.8	3362	9.0	184115.2	+3122.6	3452	9.3	185923.4	+3137.9	3542	9.4	191347.4	+3111.2
3273	9.5	182223.4	+3129.3	3363	9.5	184126.3	+3131.6	3453	6.0	185926.6	+3131.8	3543	9.4	191349.1	+3127.6
3274	9.1	182241.4	+3131.4	3364	9.5	184127.6	+3155.3	3454	9.3	185927.8	+3158.0	3544	7.1	191355.2	+3142.2
3275	8.7	182243.2	+3135.8	3365	7.3	184143.5	+3113.7	3455	8.8	185928.9	+3122.9	3545	9.0	191358.1	+3119.7
3276	9.3	182324.8	+3101.6	3366	9.3	184148.8	+3112.1	3456	9.4	185940.2	+3143.1	3546	9.2	191409.0	+3142.2
3277	9.5	182333.3	+3102.1	3367	9.0	184151.3	+3101.1	3457	9.0	185940.3	+3113.3	3547	9.5	191415.8	+3157.0
3278	9.2	182417.6	+3104.5	3368	9.0	184209.0	+3114.7	3458	9.2	185953.0	+3121.0	3548	9.4	191435.5	+3156.0
3279	8.2	182419.0	+3145.4	3369	6.0	184229.8	+3136.0	3459	9.0	190010.2	+3116.8	3549	9.1	191441.0	+3147.8
3280	8.9	182420.7	+3107.0	3370	9.3	184233.5	+3114.7	3460	9.3	190025.9	+3122.9	3550	7.0	191454.5	+3149.9
3281	8.3	182452.6	+3130.1	3371	8.5	184340.5	+3125.4	3461	9.5	190048.7	+3109.6	3551	9.3	191501.9	+3148.7
3282	8.7	182527.7	+3108.4	3372	9.5	184400.4	+3138.7	3462	9.5	190049.1	+3145.1	3552	9.4	191502.5	+3104.3
3283	9.5	182537.4	+3152.4	3373	7.0	184415.8	+3128.3	3463	9.5	190054.9	+3113.9	3553	9.4	191507.2	+3115.8
3284	9.5	182606.0	+3113.5	3374	9.2	184427.0	+3129.9	3464	9.3	190055.0	+3121.2	3554	8.6	191507.9	+3149.8
3285	9.5	182638.1	+3131.7	3375	8.8	184434.7	+3137.9	3465	8.9	190055.6	+3130.9	3555	8.9	191514.2	+3105.9
3286	9.5	182726.4	+3133.8	3376	8.9	184513.5	+3111.1	3466	9.5	190111.8	+3127.5	3556	9.5	191536.9	+3101.1
3287	8.6	182732.7	+3129.6	3377	8.9	184520.6	+3118.8	3467	9.3	190210.7	+3142.2	3557	9.5	191554.1	+3104.5
3288	9.5	182738.8	+3153.4	3378	9.0	184542.2	+3119.6	3468	9.4	190219.5	+3103.0	3558	9.3	191556.4	+3132.9
3289	9.1	182738.9	+3144.5	3379	9.5	184542.5	+3155.2	3469	9.5	190219.9	+3134.0	3559	9.0	191601.3	+3123.2
3290	9.4	182818.4	+3155.8	3380	9.5	184557.8	+3103.5	3470	9.1	190226.3	+3143.2	3560	9.3	191605.0	+3124.2
3291	9.4	182828.8	+3101.5	3381	8.8	184624.3	+3147.3	3471	9.5	190238.4	+3158.2	3561	9.5	191607.3	+3140.3
3292	9.1	182828.9	+3120.0	3382	8.5	184625.4	+3112.8	3472	9.4	190239.7	+3129.8	3562	9.5	191614.8	+3153.7
3293	9.5	182841.7	+3125.5	3383	9.5	184707.1	+3122.1	3473	8.4	190300.5	+3149.8	3563	8.4	191638.0	+3151.8
3294	9.5	182856.0	+3153.0	3384	8.5	184717.4	+3113.9	3474	9.5	190321.1	+3133.0	3564	8.5	191700.1	+3104.1
3295	9.5	182857.0	+3145.8	3385	9.5	184723.6	+3121.5	3475	9.3	190321.1	+3119.3	3565	9.4	191701.0	+3121.7
3296	9.0	182903.7	+3139.9	3386	8.7	184735.4	+3115.9	3476	9.5	190326.9	+3151.5	3566	8.9	191703.3	+3114.2
3297	8.4	182904.7	+3136.3	3387	9.2	184751.5	+3136.6	3477	9.5	190411.1	+3131.3	3567	8.2	191708.0	+3127.5
3298	9.3	182935.4	+3111.9	3388	9.5	184755.5	+3147.8	3478	7.6	190441.0	+3148.8	3568	9.5	191717.4	+3110.5
3299	9.0	182953.5	+3152.0	3389	9.2	184758.8	+3143.8	3479	9.4	190454.6	+3103.0	3569	9.5	191730.8	+3136.0
3300	8.8	183007.1	+3128.7	3390	9.5	184810.8	+3111.1	3480	9.5	190455.4	+3108.2	3570	8.0	191731.9	+3123.1
3301	9.3	183007.7	+3158.6	3391	9.5	184814.9	+3158.7	3481	9.5	190500.3	+3131.3	3571	9.5	191745.2	+3155.7
3302	9.3	183013.2	+3105.6	3392	9.5	184835.9	+3148.5	3482	9.5	190503.3	+3131.1	3572	9.5	191747.9	+3116.7
3303	9.5	183024.3	+3159.9	3393	9.4	184836.5	+3111.0	3483	7.3	190512.9	+3123.8	3573	8.6	191750.8	+3113.2
3304	9.4	183033.8	+3105.7	3394	9.5	184842.3	+3131.5	3484	9.5	190513.0	+3130.8	3574	8.6	191800.8	+3155.4
3305	9.0	183123.0	+3157.5	3395	9.5	184917.3	+3122.2	3485	8.0	190513.3	+3105.1	3575	9.5	191807.5	+3118.0
3306	9.5	183149.5	+3140.0	3396	9.2	184920.0	+3151.9	3486	9.5	190515.8	+3131.3	3576	9.4	191811.0	+3141.6
3307	9.4	183150.7	+3102.7	3397	9.3	184926.5	+3158.3	3487	8.5	190515.9	+3152.7	3577	8.9	191812.4	+3101.8
3308	9.4	183156.4	+3108.2	3398	9.3	184932.3	+3109.0	3488	9.1	190516.9	+3105.9	3578	9.4	191829.2	+3135.3
3309	9.1	183158.9	+3104.7	3399	9.0	185000.8	+3114.7	3489	9.5	190525.1	+3108.1	3579	9.5	191836.5	+3131.8
3310	9.5	183209.7	+3140.6	3400	9.0	185006.2	+3101.1	3490	9.2	190535.9	+3120.0	3580	9.4	191839.3	+3149.4
3311	8.5	183226.8	+3127.6	3401	9.2	185009.9	+3114.4	3491	9.5	190551.0	+3121.5	3581	8.8	191846.4	+3138.5
3312	9.5	183227.4	+3134.9	3402	9.3	185028.6	+3118.0	3492	9.4	190554.8	+3127.6	3582	9.5	191853.1	+3129.5
3313	7.7	183227.9	+3111.6	3403	9.5	185033.1	+3150.4	3493	9.3	190557.8	+3116.1	3583	9.0	191901.0	+3122.7
3314	8.9	183231.5	+3109.8	3404	8.6	185042.5	+3132.4	3494	9.4	190601.6	+3113.5	3584	9.5	191903.8	+3111.8
3315	8.7	183246.0	+3112.9	3405	8.7	185104.8	+3105.7	3495	8.9	190604.3	+3113.5	3585	9.5	191914.4	+3106.3
3316	9.5	183257.3	+3122.1	3406	9.0	185115.8	+3115.5	3496	9.1	190612.6	+3157.9	3586	9.5	191918.6	+3105.7
3317	9.1	183303.0	+3143.6	3407	8.8	185117.7	+3100.7	3497	6.0	190612.8	+3102.7	3587	8.2	191921.5	+3131.3
3318	9.0	183305.5	+3134.2	3408	9.3	185122.9	+3122.8	3498	9.4	190647.0	+3103.8	3588	9.3	191947.3	+3135.5
3319	9.4	183305.7	+3137.9	3409	9.1	185124.1	+3134.5	3499	9.2	190647.4	+3156.1	3589	9.4	191958.7	+3143.4
3320	8.5	183311.3	+3103.2	3410	8.5	185125.8	+3111.3	3500	9.4	190649.5	+3145.8	3590	9.5	192003.6	+3102.7
3321	8.0	183312.6	+3119.7	3411	7.4	185136.6	+3148.7	3501	9.4	190655.8	+3104.4	3591	9.4	192045.0	+3149.8
3322	9.4	183331.4	+3139.3	3412	8.2	185137.0	+3156.9	3502	9.2	190704.3	+3120.3	3592	7.9	192058.6	+3102.5
3323	9.4	183438.8	+3158.4	3413	9.0	185145.7	+3159.5	3503	9.5	190714.8	+3126.8	3593	9.2	192100.5	+3100.3
3324	8.0	183439.7	+3132.4	3414	9.3	185204.5	+3126.1	3504	9.5	190714.9	+3138.5	3594	9.0	192102.3	+3139.1
3325	9.5	183449.1	+3118.0	3415	8.6	185206.4	+3157.1	3505	9.1	190715.9	+3151.3	3595	9.5	192103.2	+3149.7
3326	9.4	183458.1	+3134.2	3416	9.5	185236.9	+3155.2	3506	9.0	190720.4	+3154.8	3596	9.5	192125.0	+3156.0
3327	7.7	183501.3	+3129.8	3417	9.1	185307.9	+3119.3	3507	9.3	190725.3	+3119.9	3597	9.5	192125.1	+3117.7
3328	9.0	183520.8	+3133.2	3418	9.3	185310.0	+3129.7	3508	9.3	190734.4	+3111.1	3598	9.4	192129.0	+3154.0
3329	9.3	183521.6	+3101.5	3419	8.2	185345.4	+3130.1	3509	9.5	190748.2	+3129.9	3599	9.5	192132.0	+3148.1
3330	8.7	183523.7	+3124.6	3420	9.0	185352.9	+3126.0	3510	9.5	190750.3	+3152.8	3600	9.1	192132.4	+3155.0
3331	9.5	183530.5	+3104.2	3421	9.5	185404.1	+3137.0	3511	9.5	190818.4	+3110.1	3601	9.3	192132.6	+3107.7
3332	6.5	183613.5	+3128.6	3422	8.8	185411.5	+3129.5	3512	9.3	190831.7	+3138.8	3602	9.1	192136.7	+3158.1
3333	9.5	183634.0	+3123.7	3423	9.2	185428.8	+3136.5	3513	9.4	190915.4	+3142.4	3603	9.1	192153.2	+3130.5
3334	9.5	183634.8	+3112.5	3424	5.8	185432.8	+3156.6	3514	7.0	190917.9	+3136.5	3604	9.5	192156.2	+3135.2
3335	9.5	183645.9	+3132.8	3425	9.0	185442.2	+3110.1	3515	9.5	190949.4	+3138.1	3605	9.5	192237.0	+3120.4
3336	9.5	183648.3	+3150.0	3426	9.5	185511.8	+3148.0	3516	8.4	191023.1	+3158.7	3606	9.3	192244.2	+3115.2

+31 3624 19h24m

3624	9.3	192406.2	+3100.9	3714	9.4	193439.0	+3139.3	3804	8.4	194450.5	+3111.6	3894	9.5	195600.0	+3147.8
3625	8.1	192425.1	+3153.8	3715	8.5	193443.4	+3101.7	3805	9.2	194515.5	+3108.6	3895	8.4	195609.7	+3114.7
3626	9.5	192425.4	+3136.6	3716	8.5	193459.6	+3111.6	3806	9.5	194524.8	+3128.4	3896	9.2	195622.5	+3149.0
3627	9.5	192432.6	+3116.3	3717	7.1	193503.0	+3104.6	3807	9.5	194531.4	+3138.5	3897	9.1	195626.6	+3145.5
3628	9.5	192450.0	+3141.5	3718	8.4	193510.7	+3152.1	3808	9.5	194535.6	+3117.5	3898	9.0	195629.7	+3104.5
3629	9.5	192455.7	+3120.3	3719	8.7	193515.8	+3145.2	3809	9.3	194602.3	+3129.1	3899	9.5	195631.0	+3129.4
3630	8.4	192459.9	+3134.3	3720	8.7	193532.6	+3114.9	3810	9.2	194606.6	+3107.7	3900	9.3	195637.8	+3101.4
3631	7.5	192501.8	+3140.2	3721	9.5	193558.8	+3129.8	3811	9.3	194609.0	+3138.5	3901	8.7	195638.2	+3112.8
3632	9.1	192519.1	+3101.5	3722	7.8	193622.5	+3109.3	3812	9.4	194618.1	+3104.3	3902	9.5	195645.1	+3103.7
3633	9.2	192534.8	+3128.1	3723	8.1	193629.5	+3111.8	3813	7.6	194619.0	+3115.6	3903	9.1	195652.2	+3103.2
3634	9.5	192536.1	+3146.1	3724	8.9	193634.8	+3129.6	3814	7.5	194620.1	+3120.2	3904	8.8	195704.2	+3117.8
3635	9.2	192540.2	+3150.0	3725	9.4	193643.6	+3114.5	3815	8.4	194628.7	+3125.4	3905	6.7	195707.0	+3133.4
3636	9.4	192545.1	+3142.4	3726	9.5	193646.9	+3133.6	3816	9.3	194633.9	+3117.3	3906	9.3	195722.4	+3138.6
3637	9.5	192550.6	+3152.8	3727	8.3	193650.7	+3124.7	3817	9.4	194638.6	+3115.8	3907	8.0	195729.7	+3130.8
3638	9.2	192551.2	+3125.8	3728	9.5	193704.4	+3101.2	3818	9.5	194647.6	+3126.1	3908	9.3	195730.7	+3136.9
3639	9.5	192557.7	+3125.8	3729	9.5	193707.6	+3134.5	3819	9.5	194649.0	+3126.7	3909	9.1	195732.8	+3132.9
3640	9.3	192603.6	+3107.7	3730	9.4	193717.9	+3135.1	3820	9.5	194658.6	+3117.3	3910	9.5	195733.2	+3138.8
3641	9.4	192604.3	+3118.7	3731	9.4	193728.8	+3159.5	3821	9.4	194701.2	+3147.7	3911	8.4	195749.6	+3151.9
3642	9.5	192611.1	+3156.0	3732	9.3	193731.5	+3143.0	3822	8.8	194702.9	+3135.0	3912	9.5	195751.9	+3107.9
3643	8.2	192613.9	+3133.3	3733	9.5	193745.3	+3158.1	3823	9.2	194712.3	+3120.5	3913	8.9	195752.7	+3155.4
3644	9.5	192632.5	+3136.5	3734	9.4	193746.7	+3121.6	3824	9.1	194718.6	+3115.5	3914	9.0	195757.0	+3125.3
3645	9.1	192634.0	+3143.9	3735	8.2	193747.9	+3137.0	3825	9.5	194728.9	+3102.9	3915	8.2	195800.9	+3120.4
3646	9.4	192639.5	+3111.3	3736	9.4	193757.4	+3105.9	3826	9.5	194737.8	+3141.3	3916	9.0	195802.7	+3127.1
3647	8.8	192649.6	+3114.3	3737	9.0	193801.3	+3158.3	3827	9.2	194738.8	+3129.1	3916a	9.5	195807.7	+3144.6
3648	9.1	192657.1	+3102.2	3738	7.8	193804.0	+3143.7	3828	9.4	194740.6	+3113.8	3917	9.5	195807.7	+3112.2
3649	9.5	192707.5	+3108.4	3739	9.5	193805.2	+3152.3	3829	9.4	194808.2	+3154.6	3918	9.4	195817.0	+3156.2
3650	8.8	192711.6	+3121.2	3740	8.8	193817.8	+3131.6	3830	8.9	194825.5	+3105.7	3919	8.8	195828.4	+3116.5
3651	9.4	192720.8	+3136.5	3741	9.4	193828.5	+3102.9	3831	9.5	194825.6	+3156.6	3920	9.5	195828.7	+3121.4
3652	9.4	192734.7	+3114.7	3742	9.3	193836.6	+3117.6	3832	9.3	194837.1	+3147.7	3921	8.6	195830.5	+3144.8
3653	8.9	192734.9	+3133.0	3743	9.4	193843.9	+3133.6	3833	9.5	194838.7	+3123.0	3922	9.3	195834.8	+3142.8
3654	9.1	192751.6	+3133.5	3744	9.4	193851.1	+3147.4	3834	9.3	194842.7	+3143.1	3923	8.1	195835.7	+3131.7
3655	9.4	192752.5	+3110.4	3745	9.0	193857.9	+3136.0	3835	8.9	194852.1	+3142.0	3924	8.3	195846.2	+3122.4
3656	9.4	192758.9	+3137.8	3746	9.5	193904.0	+3145.9	3836	9.4	194857.9	+3132.4	3925	6.0	195855.2	+3148.8
3657	9.5	192811.0	+3131.5	3747	9.4	193908.0	+3103.4	3837	8.8	194901.8	+3127.5	3926	9.0	195902.6	+3138.0
3658	9.3	192815.1	+3147.2	3748	9.3	193919.8	+3131.8	3838	9.5	194903.5	+3103.5	3927	9.5	195906.8	+3152.0
3659	9.3	192820.8	+3105.7	3749	9.0	193924.7	+3130.1	3839	9.5	194912.9	+3157.8	3928	9.3	195907.0	+3157.2
3660	9.4	192826.6	+3154.6	3750	9.5	193928.4	+3140.0	3840	9.5	194922.5	+3111.1	3929	9.1	195911.7	+3134.7
3661	9.5	192830.0	+3102.7	3751	9.4	193937.2	+3153.6	3841	8.5	194935.7	+3122.9	3930	8.8	195914.7	+3146.0
3662	9.5	192835.4	+3138.3	3752	7.3	193937.9	+3104.5	3842	9.2	194936.6	+3107.7	3931	9.3	195926.0	+3151.4
3663	8.8	192838.7	+3120.5	3753	9.5	193946.1	+3145.6	3843	8.8	194944.6	+3114.8	3932	8.6	195945.6	+3133.6
3664	9.1	192856.2	+3111.7	3754	9.4	193947.8	+3129.1	3844	9.5	194954.2	+3152.6	3933	9.5	195952.1	+3122.3
3665	9.3	192858.5	+3112.4	3755	9.5	193949.3	+3157.3	3845	9.4	194956.5	+3104.7	3934	9.5	195954.2	+3149.6
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3667	9.2	192919.9	+3140.0	3757	9.4	194002.3	+3159.3	3847	8.6	195009.7	+3120.2	3936	9.2	200019.7	+3159.8
3668	9.3	192924.8	+3104.7	3758	9.5	194003.2	+3153.6	3848	9.4	195028.0	+3146.4	3937	9.5	200024.5	+3105.4
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3678	8.0	193035.6	+3112.5	3768	9.5	194052.0	+3105.8	3858	9.1	195226.6	+3116.3	3947	9.0	200126.4	+3143.5
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3686	9.5	193133.6	+3119.6	3776	9.4	194207.5	+3110.1	3866	9.4	195302.7	+3109.9	3955	9.3	200208.1	+3142.8
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63	9.5	02001.2	+3049.2	153	8.8	05549.6	+3024.7	242	9.5	12650.4	+3050.4	332	9.5	15741.3	+3051.5
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65	9.5	02140.8	+3022.4	155	9.3	05605.9	+3056.8	244	9.4	12706.7	+3023.3	334	9.5	15754.6	+3033.4
66	8.9	02230.5	+3047.1	156	7.8	05610.2	+3043.6	245	8.6	12715.8	+3001.7	335	9.5	15849.5	+3020.8
67	9.3	02255.1	+3029.1	157	9.5	05610.8	+3046.4	246	8.4	12718.2	+3033.6	336	9.5	15901.0	+3005.5
68	9.5	02324.8	+3048.8	158	9.1	05619.1	+3046.4	247	9.4	12742.5	+3000.4	337	9.2	15959.6	+3048.7
69	9.5	02345.0	+3003.4	159	9.1	05623.2	+3039.4	248	9.5	12804.0	+3026.8	338	9.4	16005.1	+3042.0
70	9.5	02346.9	+3035.4	160	9.2	05725.7	+3028.8	249	9.4	12849.9	+3023.3	339	9.1	16025.8	+3004.8
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740	9.5	44624.5	+3055.4	830	9.5	50522.8	+3023.7	920	9.5	52206.3	+3035.1	1009	9.3	53805.9	+3040.4
741	6.8	44631.3	+3019.3	831	9.4	50528.9	+3038.2	921	9.5	52209.4	+3055.5	1010	9.5	53807.5	+3014.7
742	7.0	44635.4	+3006.7	832	8.0	50537.8	+3052.9	922	9.0	52224.0	+3059.8	1011	9.4	53807.6	+3020.9
743	8.8	44644.9	+3019.7	833	9.5	50538.2	+3002.9	923	8.9	52233.2	+3048.4	1012	9.4	53822.2	+3002.5
744	9.0	44745.8	+3051.8	834	9.5	50544.0	+3035.0	923a	40.0	52241.0	+3019.9	1013	9.1	53841.6	+3011.9
745	9.4	44751.5	+3044.3	835	8.8	50550.3	+3024.1	924	9.5	52246.9	+3030.2	1014	8.5	53847.8	+3034.1
746	8.1	44853.4	+3024.5	836	9.2	50605.7	+3010.1	925	9.3	52304.1	+3050.2	1015	7.3	53851.3	+3028.4
747	9.1	44904.6	+3003.3	837	9.5	50611.0	+3015.3	926	9.5	52320.7	+3049.0	1016	9.5	53852.4	+3045.2
748	9.0	44919.4	+3028.2	838	8.0	50637.4	+3019.3	927	9.4	52348.0	+3059.7	1017	9.0	53910.0	+3001.0
749	9.4	44931.8	+3025.6	839	9.1	50649.7	+3055.5	928	9.3	52349.7	+3049.4	1018	9.5	53916.6	+3038.5
750	9.3	44958.5	+3041.4	840	9.1	50652.0	+3000.9	929	9.5	52415.6	+3040.5	1019	9.5	53935.9	+3023.9
751	8.5	45004.7	+3046.5	841	9.1	50652.4	+3029.5	930	9.5	52420.1	+3037.8	1020	8.5	53938.6	+3039.0
752	8.0	45006.5	+3049.9	842	9.5	50705.5	+3007.1	931	9.5	52427.1	+3011.6	1021	8.7	53955.7	+3002.5
753	9.5	45016.5	+3024.0	843	9.4	50715.4	+3027.2	932	9.1	52427.7	+3025.7	1022	9.4	54020.0	+3005.9
754	9.5	45031.3	+3025.3	844	9.0	50730.9	+3013.3	933	9.5	52432.9	+3003.7	1023	9.0	54038.7	+3019.5
755	9.5	45049.0	+3018.5	845	9.3	50745.8	+3020.7	934	9.5	52435.6	+3024.5	1024	8.7	54039.1	+3030.2
756	9.5	45138.9	+3048.2	846	9.1	50822.5	+3039.7	935	9.3	52436.4	+3017.8	1025	9.4	54046.1	+3057.8
757	9.5	45155.3	+3058.4	847	9.3	50822.6	+3049.1	936	9.5	52437.3	+3053.9	1026	9.5	54055.5	+3013.1
758	9.4	45209.2	+3019.0	848	9.5	50831.2	+3059.5	937	9.3	52500.7	+3017.3	1027	9.0	54132.6	+3040.0
759	9.5	45230.7	+3053.0	849	8.8	50900.5	+3046.2	938	8.7	52513.9	+3030.1	1028	9.5	54133.8	+3052.5
760	9.5	45232.2	+3009.6	850	9.1	50913.0	+3006.0	939	9.5	52517.9	+3025.4	1029	9.3	54210.2	+3024.4
761	9.0	45233.7	+3056.6	851	8.7	50914.1	+3014.3	940	9.3	52519.1	+3055.3	1030	9.0	54210.5	+3033.9
762	9.4	45246.8	+3057.7	852	9.1	50939.9	+3012.8	941	9.0	52531.7	+3053.3	1031	9.3	54211.6	+3034.6
763	9.5	45311.5	+3026.6	853	9.3	50952.5	+3017.7	942	8.0	52546.2	+3049.1	1032	8.8	54212.7	+3029.4
764	9.4	45326.6	+3041.5	854	8.8	51002.4	+3050.8	943	9.5	52549.5	+3007.5	1033	7.4	54221.5	+3054.8
765	9.4	45326.7	+3002.7	855	9.5	51004.0	+3011.4	944	8.2	52604.2	+3029.9	1034	8.2	54222.8	+3041.7
766	9.4	45339.4	+3008.9	856	9.4	51007.2	+3011.9	945	9.5	52633.6	+3038.1	1035	9.5	54235.6	+3037.5
767	9.0	45351.3	+3026.5	857	9.1	51009.1	+3010.2	946	9.3	52650.0	+3008.7	1036	9.4	54300.8	+3090.3
768	9.3	45421.9	+3056.0	858	9.5	51038.4	+3029.0	947	9.5	52701.6	+3038.6	1037	9.5	54313.1	+3026.6
769	8.5	45426.5	+3025.2	859	9.4	51042.1	+3047.3	948	9.5	52701.9	+3042.3	1038	9.4	54319.6	+3035.5
770	9.4	45433.0	+3030.8	860	9.0	51042.8	+3020.8	949	8.2	52707.0	+3029.0	1039	9.3	54326.7	+3038.5
771	9.5	45456.3	+3019.4	861	9.5	51111.5	+3054.9	950	9.3	52707.8	+3041.8	1040	9.5	54348.5	+3040.0
772	6.5	45500.8	+3017.7	862	8.8	51129.7	+3053.4	951	9.2	52710.5	+3016.6	1041	8.0	54401.1	+3024.4
773	9.5	45513.4	+3005.1	863	9.2	51138.8	+3004.5	952	9.5	52715.8	+3051.9	1042	9.3	54424.5	+3016.5
774	8.8	45518.7	+3011.8	864	9.5	51153.6	+3030.1	953	9.5	52717.2	+3049.2	1043	9.4	54424.6	+3004.1
775	8.5	45519.2	+3009.9	865	9.4	51212.4	+3047.0	954	9.5	52722.4	+3030.7	1044	9.2	54432.7	+3037.0
776	9.4	45521.3	+3020.6	866	9.5	51218.0	+3025.7	955	9.5	52728.6	+3022.9	1045	7.8	54456.8	+3026.9
777	9.1	45524.6	+3033.5	867	9.4	51347.1	+3005.3	956	9.1	52759.1	+3018.3	1046	9.0	54457.6	+3036.1
778	9.0	45534.8	+3041.4	868	9.5	51354.7	+3021.0	957	9.1	52805.0	+3033.9	1047	9.4	54501.0	+3051.7
779	9.2	45626.3	+3028.8	869	9.3	51410.2	+3003.6	958	9.2	52806.3	+3055.1	1048	9.5	54509.3	+3020.3
780	9.3	45632.6	+3000.3	870	9.4	51428.3	+3013.5	959	9.5	52810.2	+3059.1	1049	9.5	54512.1	+3025.2
781	9.0	45652.0	+3005.7	871	8.9	51434.3	+3005.6	960	9.5	52841.0	+3047.5	1050	8.9	54534.5	+3018.0
782	9.5	45718.5	+3025.3	872	9.2	51438.4	+3053.7	961	9.5	52851.6	+3030.4	1051	9.0	54542.7	+3045.9
783	9.5	45733.4	+3035.8	873	8.9	51511.1	+3003.2	962	8.7	52911.0	+3051.6	1052	9.5	54551.8	+3054.5
784	9.2	45800.4	+3054.7	874	9.5	51513.0	+3041.7	963	6.0	52919.6	+3023.9	1053	9.5	54553.6	+3015.0
785	8.9	45808.7	+3055.6	875	9.5	51515.6	+3056.7	964	8.9	52926.5	+3007.4	1054	9.5	54568.1	+3046.0
786	9.0	45809.8	+3035.3	876	8.5	51516.8	+3026.9	965	9.5	52928.6	+3022.6	1055	8.3	54615.9	+3040.5
787	9.2	45810.2	+3008.5	877	9.4	51518.8	+3050.5	966	8.1	52957.5	+3003.5	1056	9.5	54617.7	+3036.3
788	9.0	45813.1	+3032.7	878	9.5	51537.2	+3001.8	967	9.2	52958.5	+3057.4	1057	9.5	54652.6	+3043.0
789	9.3	45816.8	+3039.2	879	9.5	51546.6	+3038.5	968	7.5	53004.0	+3047.9	1058	9.5	54655.2	+3050.8
790	9.0	45818.5	+3025.8	880	9.5	51549.3	+3032.4	969	9.4	53014.1	+3003.4	1059	9.0	54657.9	+3076.0
791	9.5	45825.6	+3005.0	881	9.4	51556.9	+3049.5	970	8.2	53039.8	+3000.0	1060	9.5	54658.0	+3035.9
792	9.5	45828.3	+3012.5	882	8.5	51601.8	+3001.7	971	9.2	53046.6	+3008.9	1061	9.3	54659.8	+3020.6
793	9.5	45831.7	+3028.0	883	9.5	51610.7	+3037.6	972	9.5	53057.2	+3027.7	1062	9.1	54725.7	+3059.5
794	8.5	45900.0	+3059.1	884	9.2	51613.6	+3039.6	973	9.5	53110.4	+3026.5	1063	7.8	54740.6	+3024.4
795	9.4	45903.8	+3050.4	885	9.0	51617.5	+3033.6	974	9.5	53118.1	+3014.2	1064	9.5	54752.5	+3046.5
796	8.8	45911.6	+3014.8	886	8.7	51619.9	+3042.9	975	9.5	53135.0	+3034.3	1065	9.5	54810.7	+3029.4
797	9.5	45948.4	+3017.0	887	9.0	51620.1	+3032.9	976	9.5	53238.8	+3056.7	1066	9.2	54830.0	+3045.6
798	9.3	45949.0	+3006.1	888	8.5	51627.5	+3012.7	977	9.4	53239.7	+3022.6	1067	9.1	54832.9	+3051.5
799	9.1	50011.0	+3021.8	889	9.5	51632.6	+3010.5	978	9.5	53241.8	+3032.6	1068	9.5	54853.5	+3057.8
800	9.3	50031.3	+3030.4	890	9.4	51645.0	+3005.3	979	9.1	53245.0	+3013.0	1069	9.3	54900.4	+3023.2
801	9.5	50035.0	+3006.2	891	9.0	51654.1	+3006.5	980	9.5	53300.3	+3059.6	1070	9.4	54901.6	+3029.6
802	9.5	50046.0	+3005.9	892	8.5	51700.2	+3012.4	981	9.4	53301.7	+3032.2	1071	8.7	54916.4	+3011.1
803	7.8	50057.7	+3023.4	893	9.5	51707.1	+3028.7	982	9.4	53304.8	+3001.5	1072	9.5	54929.6	+3046.7
804	7.0	50118.9	+3036.3	894	8.5	51729.5	+3019.8	983	9.5	53321.0	+3040.9	1073	9.5	54939.0	+3003.4
805	9.5	50125.3	+3057.0	895	8.5	51733.9	+3027.9	984	9.5	53329.9	+3028.9	1074	9.1	54956.4	+3057.4
806	9.5	50130.4	+3002.5	896	9.2	51735.0	+3029.2	985	9.5	53339.7	+3053.6	1075	9.5	55033.8	+3015.0
807	9.3	50147.4	+3001.9	897	9.0	51737.6	+3007.7	986	8.2	53341.6	+3049.2	1076	9.1	55036.6	+3010.7
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810	9.4	50203.1	+3053.9	900	9.0	51759.5	+3042.5	989	9.5	53417.0	+3032.6	1079	9.5	55128.0	+3044.1
811	9.5	50205.6	+3000.6	901	8.8	51801.9	+3051.1	990	9.4	53426.8	+3043.7	1080	9.5	55132.3	+3052.5
812	7.0	50211.5	+3037.7	902	8.6	51811.4	+3045.7	991	9.5	53432.9	+3039.0	1081	8.6	55149.2	+3049.6
813	9.5	50228.5	+3020.5	903	9.5	51819.7	+3034.7	992	8.1	53443.6	+3051.3	1082	9.7	55153.9	+3034.3
814	9.5	50232.0	+3026.4	904	9.5	51832.5	+3053.6	993	7.5	53511.1	+3024.7	1083	9.5	55155.2	+3022.1
815	9.1	50233.4	+3009.1	905	9.2	51846.5	+3013.1	994	7.9	53524.0	+3033				

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+30 1458 7h05m

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2194	7.5	114202.4	+3018.3	2284	9.5	122146.4	+3011.5	2374	9.5	130407.7	+3056.0	2464	8.8	135008.6	+3053.1
2195	9.5	114215.2	+3038.6	2285	9.4	122255.4	+3012.2	2375	9.2	130421.3	+3034.9	2465	9.3	135012.8	+3047.8
2196	9.4	114324.7	+3037.9	2286	9.5	122330.7	+3049.8	2376	9.5	130459.2	+3016.5	2466	8.4	135015.0	+3059.4
2197	9.4	114346.6	+3059.7	2287	7.3	122418.3	+3007.0	2377	9.3	130513.4	+3048.9	2467	9.4	135027.6	+3043.5
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2199	9.1	114437.7	+3035.1	2289	9.5	122518.3	+3009.2	2379	9.5	130549.1	+3057.2	2469	9.5	135103.5	+3033.8
2200	8.8	114602.4	+3007.6	2290	9.5	122544.7	+3022.0	2380	9.5	130653.6	+3059.4	2470	9.4	135139.5	+3025.2
2201	9.5	114629.0	+3022.1	2291	8.2	122618.5	+3050.7	2381	9.5	130643.6	+3058.7	2471	9.5	135155.0	+3024.6
2202	9.5	114654.6	+3038.2	2292	9.4	122619.6	+3034.6	2382	8.6	130648.7	+3032.1	2472	9.2	135230.0	+3026.6
2203	9.3	114646.5	+3053.5	2293	9.4	122703.8	+3043.7	2383	7.7	130651.7	+3034.5	2473	9.5	135306.4	+3015.9
2204	9.5	114648.7	+3051.0	2294	9.3	122711.0	+3051.3	2384	8.5	130745.7	+3009.4	2474	9.4	135329.0	+3017.2
2205	8.7	114959.6	+3003.7	2295	9.3	122715.1	+3034.7	2385	9.5	130803.0	+3018.1	2475	8.4	135514.8	+3047.6
2206	9.5	115006.7	+3017.2	2296	8.0	122751.8	+3059.6	2386	9.2	130816.7	+3031.2	2476	9.5	135640.1	+3017.8
2207	8.6	115045.0	+3037.7	2297	9.5	122819.7	+3038.6	2387	9.1	130856.1	+3006.9	2477	9.3	135819.9	+3008.1
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2209	9.5	115219.3	+3049.7	2299	8.3	122848.3	+3043.8	2389	9.5	131056.5	+3026.2	2479	9.0	135903.0	+3014.6
2210	9.5	115256.7	+3019.3	2300	8.2	122855.5	+3015.1	2390	9.5	131209.8	+3018.2	2480	9.5	135906.5	+3023.1
2211	9.5	115405.0	+3058.6	2301	9.5	122913.3	+3044.0	2391	9.0	131543.8	+3041.0	2481	9.5	135922.1	+3019.1
2212	7.8	115419.3	+3021.4	2302	8.5	122938.4	+3029.4	2392	9.5	131657.5	+3025.0	2482	9.5	135953.0	+3036.6
2213	9.5	115439.0	+3048.2	2303	9.4	122939.3	+3007.7	2393	9.4	131724.1	+3039.5	2483	8.6	140010.1	+3058.1
2214	9.2	115551.1	+3021.2	2304	9.5	123000.7	+3022.3	2394	9.1	131738.8	+3027.3	2484	9.0	140100.2	+3007.2
2215	9.3	115555.0	+3028.5	2305	9.4	123015.5	+3058.6	2395	9.3	131756.4	+3013.5	2485	8.9	140120.0	+3041.7
2216	9.4	115607.9	+3026.5	2306	9.5	123023.3	+3042.1	2396	9.5	131900.0	+3000.4	2486	8.8	140159.5	+3032.9
2217	7.2	115608.3	+3029.0	2307	9.5	123032.4	+3011.9	2397	9.5	131911.1	+3009.0	2487	9.5	140224.5	+3042.0
2218	9.5	115648.7	+3050.6	2308	9.4	123110.1	+3028.3	2398	9.5	131943.0	+3048.2	2488	8.8	140454.6	+3054.8
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2220	9.5	115824.2	+3003.5	2310	8.0	123204.7	+3002.9	2400	9.5	132132.0	+3048.4	2490	9.4	140505.0	+3046.9
2221	9.5	115847.3	+3012.4	2311	9.1	123306.3	+3023.9	2401	9.5	132135.0	+3056.1	2491	9.3	140512.9	+3004.0
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2239	9.4	120538.2	+3037.5	2329	6.8	124045.7	+3019.9	2419	8.9	132650.8	+3052.9	2509	9.0	141408.1	+3020.2
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2241	8.9	120559.2	+3004.0	2331	9.5	124250.5	+3013.7	2421	8.5	132820.1	+3053.2	2511	9.5	141526.2	+3007.6
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+30 2896 16h47m

+30 3255 18h33m

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2897	9.5	164719.2	+3058.0	2897	8.8	172133.8	+3059.5	3077	8.7	174716.3	+3057.1	3167	8.9	181058.9	+3027.6
2898	9.4	164728.7	+3056.2	2898	9.5	172141.4	+3051.6	3078	7.9	174817.6	+3024.1	3168	8.9	181059.2	+3008.6
2899	9.5	164833.5	+3005.6	2899	9.4	172141.7	+3054.4	3079	9.4	174828.0	+3049.9	3169	9.5	181121.3	+3055.9
2900	8.1	164843.5	+3040.8	2900	8.7	172149.9	+3014.4	3080	9.4	174834.0	+3038.1	3170	9.4	181151.4	+3038.1
2901	9.3	164912.6	+3038.3	2901	9.3	172205.4	+3031.0	3081	9.5	174836.2	+3032.3	3171	9.1	181201.3	+3058.3
2902	8.0	164924.1	+3055.7	2902	9.4	172212.5	+3042.3	3082	9.3	174856.0	+3054.6	3172	9.5	181204.5	+3002.6
2903	9.5	165027.8	+3048.6	2903	8.7	172212.5	+3031.2	3083	9.0	174916.7	+3002.5	3173	9.5	181211.9	+3032.6
2904	9.5	165048.2	+3008.7	2904	9.5	172222.9	+3039.3	3084	9.0	174918.6	+3053.0	3174	9.5	181225.5	+3020.2
2905	9.5	165048.8	+3003.1	2905	9.4	172229.9	+3041.3	3085	9.5	174946.5	+3001.5	3175	8.9	181307.9	+3031.9
2906	9.5	165157.8	+3022.3	2906	9.4	172246.4	+3042.1	3086	9.1	175048.9	+3057.8	3176	9.5	181311.6	+3032.6
2907	9.5	165157.8	+3029.7	2907	8.1	172247.8	+3021.9	3087	9.0	175055.8	+3023.0	3177	9.0	181330.4	+3051.6
2908	9.1	165216.3	+3031.5	2908	9.2	172252.8	+3001.0	3088	9.2	175108.1	+3045.7	3178	9.3	181342.4	+3028.4
2909	9.5	165232.9	+3017.5	2909	9.5	172259.0	+3008.2	3089	8.7	175147.2	+3018.1	3179	9.0	181344.8	+3058.2
2910	9.4	165244.0	+3057.0	2910	9.4	172328.9	+3023.0	3090	9.5	175209.9	+3015.8	3180	9.5	181409.8	+3057.0
2911	8.5	165256.6	+3048.5	2911	9.2	172336.0	+3048.4	3091	9.2	175228.5	+3010.7	3181	9.4	181427.3	+3025.6
2912	9.5	165304.3	+3053.0	2912	9.4	172425.0	+3049.5	3092	9.5	175229.0	+3020.6	3182	9.5	181456.9	+3057.8
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2914	9.5	165321.2	+3010.9	2914	9.5	172426.4	+3042.9	3094	9.5	175315.7	+3021.8	3184	9.2	181614.9	+3047.1
2915	9.3	165345.8	+3059.9	2915	9.5	172429.1	+3031.3	3095	9.0	175323.1	+3035.9	3185	9.5	181620.8	+3055.6
2916	9.5	165541.6	+3008.6	3006	8.5	172431.2	+3058.8	3096	7.7	175329.3	+3005.7	3186	9.1	181644.4	+3019.1
2917	9.5	165543.0	+3014.7	3007	9.1	172501.5	+3046.0	3097	9.5	175334.1	+3012.7	3187	9.0	181700.3	+3001.8
2918	9.5	165554.5	+3021.1	3008	9.5	172506.9	+3012.0	3098	9.5	175353.2	+3049.3	3188	9.4	181714.5	+3005.0
2919	9.4	165558.4	+3015.3	3009	9.5	172511.2	+3054.9	3099	9.4	175355.4	+3000.7	3189	9.5	181722.0	+3010.5
2920	9.3	165613.7	+3025.7	3010	9.5	172520.0	+3001.8	3100	8.0	175400.8	+3044.1	3190	8.8	181725.1	+3002.5
2921	9.2	165615.6	+3004.0	3011	9.5	172522.5	+3029.9	3101	8.8	175432.7	+3025.0	3191	9.5	181746.9	+3005.5
2922	9.2	165617.9	+3046.8	3012	9.5	172543.8	+3002.1	3102	9.5	175452.1	+3002.5	3192	8.0	181824.1	+3012.9
2923	9.4	165644.9	+3012.4	3013	7.1	172608.0	+3026.1	3103	9.4	175458.7	+3008.4	3193	8.0	181824.9	+3022.1
2924	9.5	165655.5	+3011.5	3014	9.4	172643.3	+3003.9	3104	9.4	175529.2	+3059.0	3194	9.5	181826.2	+3017.2
2925	8.4	165706.3	+3002.0	3015	9.2	172712.7	+3002.8	3105	9.5	175548.0	+3058.2	3195	8.4	181834.1	+3029.7
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2927	9.5	165750.0	+3035.7	3017	9.5	172758.8	+3033.4	3107	9.3	175631.4	+3048.6	3197	8.4	181904.0	+3043.6
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2929	8.5	170101.9	+3037.3	3019	9.2	172827.0	+3013.8	3109	8.7	175646.6	+3047.1	3199	9.5	181955.4	+3014.0
2930	8.9	170202.0	+3020.1	3020	9.1	172830.9	+3039.1	3110	9.1	175651.5	+3001.8	3200	8.5	182004.0	+3057.7
2931	8.6	170218.5	+3044.8	3021	9.5	172835.7	+3004.6	3111	6.7	175704.3	+3033.1	3201	9.2	182012.0	+3007.2
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2939	8.0	170407.5	+3031.7	3029	9.5	173012.5	+3042.6	3119	9.5	180002.2	+3028.6	3209	9.5	182215.9	+3011.3
2940	9.2	170414.0	+3046.7	3030	9.2	173019.4	+3034.3	3120	9.5	180027.0	+3005.0	3210	9.5	182254.9	+3011.8
2941	9.5	170522.0	+3022.2	3031	9.5	173045.0	+3041.6	3121	9.5	180029.9	+3010.5	3211	8.8	182257.6	+3004.8
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2945	9.1	170700.1	+3037.2	3035	9.2	173218.0	+3012.3	3125	9.2	180111.5	+3037.1	3215	9.2	182424.1	+3057.2
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2959	9.5	171151.0	+3035.1	3049	9.3	173859.3	+3005.2	3139	9.5	180345.9	+3039.9	3229	9.2	182810.2	+3013.8
2960	9.5	171205.9	+3028.5	3050	9.5	173910.1	+3006.8	3140	8.7	180416.9	+3011.8	3230	9.5	182811.0	+3040.1
2961	9.5	171241.5	+3044.4	3051	9.0	173939.5	+3044.3	3141	9.3	180417.7	+3003.3	3231	9.1	182815.3	+3056.7
2962	9.5	171250.0	+3003.5	3052	8.2	173950.2	+3036.7	3142	8.0	180433.8	+3049.2	3232	9.5	182814.2	+3014.4
2963	9.5	171335.7	+3047.2	3053	9.5	174001.6	+3010.9	3143	9.3	180519.9	+3047.5	3233	9.4	182818.9	+3031.3
2964	9.5	171350.3	+3009.9	3054	8.7	174005.5	+3035.3	3144	7.9	180553.4	+3005.8	3234	8.9	182819.6	+3026.6
2965	8.9	171355.0	+3037.5	3055	9.3	174007.4	+3002.6	3145	9.3	180629.2	+3015.3	3235	9.5	182822.9	+3058.4
2966	9.5	171355.2	+3055.0	3056	9.4	174026.3	+3016.1	3146	9.5	180707.6	+3017.8	3236	8.5	182837.8	+3025.4
2967	9.3	171407.8	+3018.0	3057	9.4	174051.3	+3005.7	3147	9.1	180711.2	+3037.5	3237	9.5	182903.5	+3059.2
2968	9.1	171413.0	+3020.3	3058	9.5	174119.5	+3008.5	3148	9.2	180714.1	+3008.4	3238	8.6	182906.4	+3021.3

+30 3256 18h33m

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+30 3615 19h26m

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3616	9.5	192630.8	+3042.4	3706	6.2	193728.1	+3019.9	3796	9.4	194709.2	+3021.6	3886	9.5	200005.3	+3007.7
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3653	9.5	193046.2	+3026.0	3743	8.9	194144.5	+3004.4	3833	9.5	195216.5	+3048.9	3923	9.5	200425.0	+3008.4
3654	8.5	193049.7	+3041.1	3744	8.2	194145.7	+3038.6	3834	9.3	195247.1	+3001.9	3924	9.3	200437.5	+3043.2
3655	8.2	193056.3	+3054.9	3745	9.1	194147.2	+3022.8	3835	9.2	195250.7	+3043.1	3925	9.3	200441.1	+3024.2
3656	8.5	193059.9	+3058.8	3746	9.4	194159.9	+3016.1	3836	9.0	195252.8	+3040.0	3926	9.0	200445.8	+3016.5
3657	9.2	193104.6	+3035.6	3747	9.2	194200.3	+3008.8	3837	5.8	195252.8	+3035.3	3927	9.0	200446.3	+3032.3
3658	7.8	193109.5	+3000.4	3748	9.5	194213.4	+3023.5	3838	9.0	195254.1	+3028.6	3928	9.5	200456.9	+3053.0
3659	9.5	193115.6	+3043.3	3749	9.2	194216.9	+3043.0	3839	9.0	195300.3	+3006.1	3929	6.8	200505.2	+3021.4
3660	8.1	193140.5	+3006.2	3750	9.5	194220.8	+3005.1	3840	9.2	195314.5	+3055.0	3930	9.2	200510.4	+3028.3
3661	9.5	193154.1	+3029.8	3751	8.9	194227.1	+3054.9	3841	9.2	195334.9	+3018.7	3931	9.3	200517.8	+3045.3
3662	9.5	193157.9	+3045.3	3752	9.5	194228.5	+3012.5	3842	9.4	195337.5	+3005.1	3932	9.5	200554.6	+3047.4
3663	9.5	193159.8	+3042.9	3753	8.5	194244.5	+3051.1	3843	9.3	195338.9	+3026.0	3933	8.7	200558.5	+3056.6
3664	8.9	193203.7	+3001.3	3754	9.1	194246.3	+3028.3	3844	9.0	195355.3	+3026.1	3934	9.3	200559.5	+3038.7
3665	9.4	193204.2	+3031.3	3755	9.5	194248.5	+3005.4	3845	8.0	195355.8	+3031.0	3935	9.5	200559.8	+3001.5
3666	9.3	193219.1	+3008.8	3756	7.8	194258.4	+3028.5	3846	9.5	195411.0	+3043.3	3936	9.2	200600.0	+3042.5
3667	9.4	193226.4	+3006.0	3757	9.4	194301.7	+3012.6	3847	9.2	195415.8	+3046.2	3937	9.3	200602.2	+3006.4
3668	9.2	193229.9	+3047.7	3758	8.3	194320.6	+3056.0	3848	9.4	195422.7	+3017.5	3938	9.5	200614.9	+3001.3
3669	9.5	193231.4	+3025.8	3759	9.5	194325.6	+3005.4	3849	9.5	195430.8	+3057.0	3939	9.4	200621.5	+3019.3
3670	9.1	193234.6	+3021.0	3760	9.5	194332.1	+3050.8	3850	9.4	195437.8	+3010.6	3940	9.5	200626.9	+3002.3
3671	9.3	193240.2	+3011.9	3761	9.3	194332.8	+3055.9	3851	9.4	195443.5	+3008.6	3941	9.5	200627.0	+3004.3
3672	9.4	193246.1	+3008.6	3762	9.4	194401.3	+3026.0	3852	9.5	195450.6	+3007.5	3942	8.7	200634.4	+3027.6
3673	7.9	193300.2	+3053.4	3763	9.2	194401.9	+3030.2	3853	6.9	195514.1	+3049.8	3943	9.5	200640.8	+3054.8
3674	9.0	193371.1	+3035.1	3764	8.7	194410.1	+3051.4	3854	9.2	195528.9	+3027.6	3944	9.2	200649.8	+3049.9
3675	9.0	193354.3	+3048.7	3765	9.2	194410.7	+3054.1	3855	9.5	195531.6	+3034.5	3945	9.2	200657.6	+3054.3
3676	9.4	193337.2	+3018.7	3766	9.5	194418.8	+3029.1	3856	9.4	195537.9	+3036.0	3946	9.5	200703.1	+3026.9
3677	7.3	193348.0	+3004.8	3767	9.3	194426.4	+3005.2	3857	9.5	195545.9	+3006.3	3947	8.5	200712.2	+3002.7
3678	9.0	193401.2	+3019.4	3768	9.2	194439.8	+3040.3	3858	9.4	195548.1	+3010.5	3948	9.3	200722.6	+3017.8
3679	9.2	193402.0	+3018.1	3769	8.1	194443.1	+3024.0	3859	9.5	195548.5	+3033.0	3949	9.5	200742.5	+3002.2
3680	9.0	193408.1	+3027.6	3770	9.5	194448.9	+3038.6	3860	9.5	195554.6	+3035.7	3950	9.5	200804.8	+3045.9
3681	9.3	193411.3	+3027.2	3771	9.2	194451.1	+3000.9	3861	9.5	195557.0	+3033.2	3951	9.3	200810.5	+3005.1
3682	9.3	193417.6	+3038.7	3772	9.1	194452.8	+3010.9	3862	7.0	195609.8	+3042.7	3952	9.3	200810.5	+3000.2
3683	9.4	193426.6	+3045.1	3773	9.3	194500.4	+3030.9	3863	9.0	195647.5	+3033.3	3953	9.0	200823.8	+3022.4
3684	9.4	193433.5	+3006.5	3774	9.5	194510.0	+3055.2	3864	9.5	195720.7	+3048.3	3954	9.2	200823.8	+3026.4
3685	8.9	193434.8	+3037.1	3775	9.4	194510.1	+3001.3	3865	9.4	195745.5	+3014.5	3955	8.9	200832.0	+3027.5
3686	9.4	193439.7	+3013.1	3776	9.5	194515.5	+3033.6	3866	9.4	195749.3	+3005.0	3956	9.4	200832.4	+3015.9
3687	9.0	193446.8	+3057.7	3777	9.5	194525.2	+3013.6	3867	9.5	195756.4	+3059.0	3957	9.1	200833.1	+3032.0
3688	9.0														

+30 3974 20h10m

+30 4332 21h02m

3974	9.4	201056.5	+3030.2	4063	9.5	202544.2	+3057.1	4153	9.5	203734.0	+3040.1	4243	9.5	205031.8	+3017.8
3975	9.0	201122.8	+3032.3	4064	9.2	202554.0	+3042.4	4154	9.5	203751.6	+3054.9	4244	9.0	205041.4	+3007.9
3976	9.5	201149.4	+3011.8	4065	9.5	202555.3	+3057.8	4155	9.3	203756.1	+3047.4	4245	9.3	205049.5	+3027.6
3977	9.5	201201.3	+3030.1	4066	9.4	202626.8	+3030.3	4156	9.5	203757.8	+3005.7	4246	9.5	205057.1	+3050.6
3978	8.7	201225.9	+3013.3	4067	9.3	202630.9	+3036.0	4157	9.3	203824.0	+3000.7	4247	9.5	205102.1	+3053.0
3979	9.4	201227.7	+3037.8	4068	9.5	202658.5	+3027.1	4158	8.7	203831.3	+3059.2	4248	9.5	205104.7	+3024.1
3980	8.2	201235.9	+3022.3	4069	9.0	202709.7	+3026.6	4159	9.2	203831.7	+3052.1	4249	9.5	205112.3	+3028.0
3981	9.4	201300.8	+3000.6	4070	9.5	202725.0	+3031.3	4160	8.7	203841.3	+3017.8	4250	9.5	205127.6	+3008.4
3982	9.2	201304.0	+3005.4	4071	8.8	202730.6	+3016.3	4161	9.1	203854.5	+3029.9	4251	9.2	205136.5	+3043.5
3983	9.5	201306.5	+3046.6	4072	9.5	202733.0	+3030.1	4162	9.1	203856.8	+3017.7	4252	9.4	205155.4	+3025.7
3984	8.8	201326.1	+3010.3	4073	9.4	202735.5	+3058.9	4163	9.0	203904.7	+3022.6	4253	9.5	205157.9	+3058.6
3985	9.4	201326.8	+3025.1	4074	9.5	202741.7	+3023.8	4164	9.5	203918.4	+3046.6	4254	8.0	205202.3	+3045.0
3986	9.5	201327.2	+3032.3	4075	9.4	202749.1	+3039.0	4165	9.5	203929.6	+3055.2	4255	9.0	205203.1	+3048.0
3987	8.8	201346.5	+3007.8	4076	9.5	202755.3	+3016.2	4166	8.5	203932.8	+3030.3	4256	9.5	205208.0	+3020.8
3988	9.5	201418.0	+3026.0	4077	9.3	202757.1	+3016.9	4167	4.3	203940.0	+3011.3	4257	9.5	205209.2	+3032.9
3989	9.4	201440.1	+3008.8	4078	9.4	202814.4	+3047.4	4168	9.5	203948.0	+3001.3	4258	9.1	205221.8	+3004.6
3990	9.3	201450.7	+3041.4	4079	9.1	202822.0	+3030.4	4169	8.5	203950.5	+3007.8	4259	8.5	205223.3	+3003.8
3991	8.5	201454.8	+3019.1	4080	9.5	202828.9	+3032.4	4170	9.0	204013.4	+3047.4	4260	9.3	205226.0	+3025.0
3992	9.5	201505.2	+3025.2	4081	9.5	202829.2	+3011.4	4171	9.5	204050.9	+3020.2	4261	9.5	205251.1	+3010.6
3993	9.5	201509.2	+3026.2	4082	9.4	202837.5	+3033.7	4172	9.0	204101.7	+3023.7	4262	7.9	205253.4	+3054.8
3994	8.9	201526.8	+3008.3	4083	9.4	202840.8	+3020.0	4173	8.8	204121.6	+3031.8	4263	9.5	205301.9	+3022.7
3995	7.6	201533.2	+3024.3	4084	9.5	202852.8	+3046.9	4174	9.5	204123.9	+3057.2	4264	9.5	205304.4	+3046.8
3996	9.3	201534.7	+3032.6	4085	9.5	202853.5	+3059.5	4175	9.4	204128.4	+3022.1	4265	5.2	205317.5	+3027.6
3997	9.5	201535.0	+3000.5	4086	9.0	202854.4	+3015.7	4176	9.4	204148.1	+3006.0	4266	9.1	205333.2	+3005.4
3998	7.4	201537.9	+3007.9	4087	9.0	202911.0	+3000.5	4177	9.5	204148.5	+3023.2	4267	8.9	205335.8	+3042.2
3999	9.4	201541.8	+3021.0	4088	9.5	202911.0	+3029.9	4178	9.5	204152.0	+3009.5	4268	9.4	205341.8	+3013.5
4000	9.5	201543.1	+3022.7	4089	9.5	202912.7	+3023.0	4179	9.5	204152.5	+3024.9	4269	9.5	205344.5	+3014.3
4001	9.5	201556.2	+3023.7	4090	9.4	202935.2	+3057.6	4180	9.4	204202.3	+3027.8	4270	9.5	205344.9	+3028.3
4002	9.5	201606.8	+3055.1	4091	9.4	202939.8	+3049.6	4181	9.4	204217.9	+3035.0	4271	9.5	205347.3	+3052.6
4003	8.8	201620.2	+3047.7	4092	9.1	202956.6	+3031.1	4182	9.5	204220.0	+3040.0	4272	9.5	205347.8	+3053.5
4004	9.5	201621.4	+3037.4	4093	9.5	202958.4	+3003.8	4183	9.4	204221.8	+3052.6	4273	9.3	205352.5	+3025.4
4005	6.5	201647.8	+3047.9	4094	9.5	203005.5	+3035.0	4184	8.3	204231.0	+3058.3	4274	9.3	205358.7	+3030.8
4006	9.1	201649.2	+3005.1	4095	9.3	203013.3	+3009.3	4185	7.5	204237.8	+3015.3	4275	9.5	205407.3	+3029.9
4007	9.5	201710.3	+3047.8	4096	9.5	203035.6	+3042.4	4186	9.5	204256.4	+3054.8	4276	8.5	205423.6	+3020.3
4008	9.2	201711.7	+3007.9	4097	8.8	203040.8	+3017.2	4187	9.5	204300.5	+3045.9	4277	9.5	205426.4	+3043.0
4009	9.5	201723.2	+3033.6	4098	9.5	203047.7	+3012.0	4188	9.1	204303.7	+3053.6	4278	9.5	205431.1	+3026.9
4010	8.4	201732.6	+3025.8	4099	8.9	203050.0	+3054.2	4189	9.0	204305.9	+3032.6	4279	9.5	205447.3	+3010.6
4010	9.1	201733.7	+3024.7	4100	9.2	203059.5	+3055.2	4190	8.7	204312.8	+3050.9	4280	9.3	205447.8	+3059.4
4011	8.8	201739.1	+3010.3	4101	9.5	203111.8	+3002.3	4191	8.1	204335.8	+3006.5	4281	9.3	205505.6	+3039.7
4012	8.7	201749.6	+3017.7	4102	9.0	203124.8	+3021.9	4192	9.3	204337.4	+3041.1	4282	9.2	205507.5	+3042.7
4013	9.5	201753.7	+3057.7	4103	9.4	203125.8	+3023.6	4193	9.5	204337.4	+3042.3	4283	9.5	205514.7	+3027.6
4014	9.1	201817.5	+3045.7	4104	9.5	203129.6	+3020.1	4194	9.5	204340.6	+3028.3	4284	9.5	205520.7	+3032.8
4015	8.0	201829.0	+3035.1	4105	8.4	203133.5	+3035.4	4195	9.5	204405.9	+3006.6	4285	8.6	205521.5	+3049.9
4016	9.3	201838.8	+3052.4	4106	8.0	203135.7	+3029.9	4196	9.1	204409.7	+3030.2	4286	9.5	205526.0	+3018.8
4017	9.0	201847.1	+3029.6	4107	9.4	203152.8	+3045.9	4197	7.7	204424.8	+3048.9	4287	9.3	205530.4	+3012.8
4018	9.5	201853.9	+3022.8	4108	7.2	203211.0	+3004.4	4198	9.2	204425.6	+3004.1	4288	9.2	205530.8	+3046.9
4019	9.5	201854.8	+3005.7	4109	8.5	203214.9	+3037.8	4199	7.0	204435.6	+3022.5	4289	9.0	205555.7	+3017.8
4020	9.2	201856.8	+3005.0	4110	9.4	203223.8	+3050.6	4200	9.1	204437.0	+3010.9	4290	9.5	205601.1	+3007.3
4021	9.1	201905.9	+3034.3	4111	9.4	203228.2	+3047.1	4201	8.9	204438.3	+3032.4	4291	9.5	205602.9	+3055.0
4022	9.0	201908.7	+3056.3	4112	9.4	203230.1	+3008.6	4202	9.5	204439.1	+3039.7	4292	9.5	205618.0	+3057.8
4023	7.8	201909.5	+3005.6	4113	9.2	203231.2	+3048.0	4203	9.5	204453.5	+3035.8	4293	8.0	205629.8	+3006.9
4024	9.0	201913.6	+3041.8	4114	9.1	203237.3	+3054.3	4204	9.4	204453.8	+3035.3	4294	8.5	205641.4	+3054.6
4025	9.5	201922.8	+3019.9	4115	9.0	203245.1	+3056.5	4205	9.1	204510.7	+3037.7	4295	9.4	205650.7	+3044.3
4026	9.5	201926.7	+3003.5	4116	9.5	203250.0	+3003.2	4206	9.5	204520.0	+3037.8	4296	9.4	205653.1	+3025.3
4027	9.4	201946.1	+3042.4	4117	9.5	203254.8	+3014.6	4207	9.2	204540.5	+3011.6	4297	9.3	205710.6	+3024.5
4028	9.4	201947.4	+3014.5	4118	9.5	203302.5	+3013.9	4208	9.5	204601.8	+3030.6	4298	9.3	205716.4	+3048.1
4029	9.4	202004.5	+3046.2	4119	8.3	203304.5	+3033.6	4209	9.0	204611.2	+3060.4	4299	7.5	205735.6	+3029.6
4030	9.2	202010.2	+3058.2	4120	9.5	203314.8	+3049.9	4210	9.0	204613.8	+3005.4	4300	9.5	205736.1	+3007.1
4031	9.5	202011.2	+3017.3	4121	9.5	203324.0	+3053.1	4211	9.5	204614.1	+3047.4	4301	9.5	205736.9	+3003.9
4032	9.3	202012.2	+3001.6	4122	8.5	203329.8	+3038.0	4212	9.4	204622.7	+3048.4	4302	8.5	205743.3	+3054.6
4033	9.2	202020.6	+3054.5	4123	8.1	203332.7	+3035.8	4213	9.4	204627.4	+3007.9	4303	9.3	205744.4	+3050.1
4034	8.8	202035.7	+3050.1	4124	9.5	203337.6	+3006.2	4214	9.5	204630.5	+3026.7	4304	9.0	205812.9	+3032.1
4035	9.5	202047.8	+3007.6	4125	9.3	203337.8	+3015.9	4215	9.4	204638.0	+3037.0	4305	9.5	205824.8	+3041.0
4036	8.7	202116.9	+3050.4	4126	7.5	203339.4	+3018.7	4216	9.5	204648.3	+3012.8	4306	9.0	205834.3	+3037.8
4037	9.4	202120.6	+3054.2	4127	9.3	203345.0	+3013.6	4217	9.4	204702.0	+3056.9	4307	8.3	205835.4	+3020.8
4038	9.0	202155.7	+3003.7	4128	9.0	203356.8	+3006.2	4218	7.7	204732.2	+3024.4	4308	9.5	205840.5	+3055.5
4039	9.5	202157.7	+3006.0	4129	9.4	203409.2	+3013.8	4219	8.5	204734.3	+3058.0	4309	9.5	205844.9	+3030.4
4040	9.2	202157.8	+3019.0	4130	9.1	203420.4	+3029.9	4220	9.5	204748.1	+3001.0	4310	9.5	205852.3	+3003.5
4041	9.2	202158.0	+3032.6	4131	9.2	203427.9	+3055.6	4221	9.3	204748.2	+3030.9	4311	9.4	205912.7	+3032.6
4042	9.5	202208.2	+3059.5	4132	9.5	203432.4	+3052.3	4222	9.3	204748.2	+3031.5	4312	9.4	205920.5	+3039.7
4043	9.1	202220.5	+3025.0	4133	9.2	203440.0	+3020.4	4223	9.2	204756.9	+3013.1	4313	8.4	205939.5	+3059.5
4044	9.5	202223.0	+3054.7	4134	8.3	203440.9	+3050.8	4224	9.5	204759.6	+3016.0	4314	8.5	205939.8	+3013.1
4045	8.7	202237.1	+3032.1	4135	9.3	203441.5	+3027.3	4225	8.8	204800.7	+3045.1	4315	9.4	205953.6	+3000.8

+30 4333 21h02m

4333	9.2	210202.3	+3050.7
4334	9.3	210238.3	+3035.6
4335	9.4	210243.6	+3027.0
4336	8.3	210312.6	+3055.6
4337	9.5	210329.4	+3051.3
4338	9.5	210345.3	+3027.0
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4341	9.0	210451.5	+3043.8
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REPORT DOCUMENTATION PAGE			Form Approved OMB No. 0704-0188	
<small>Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.</small>				
1. AGENCY USE ONLY (Leave blank)		2. REPORT DATE May 1993		3. REPORT TYPE AND DATES COVERED Reference Publication
4. TITLE AND SUBTITLE Bonner Durchmusterung, Volume I			5. FUNDING NUMBERS 633 Contract No. NAS5-30960	
6. AUTHOR(S) Compiled by Astronomical Data Center, National Space Science Data Center (NSSDC)				
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Goddard Space Flight Center Greenbelt, Maryland 20771			8. PERFORMING ORGANIZATION 93B00049	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES) National Aeronautics and Space Administration Washington, D.C. 20546-0001			10. SPONSORING/MONITORING AGENCY REPORT NUMBER NASA RP-1297, Vol. I	
11. SUPPLEMENTARY NOTES				
12a. DISTRIBUTION/AVAILABILITY STATEMENT Unclassified-Unlimited Subject Category 89			12b. DISTRIBUTION CODE	
13. ABSTRACT (Maximum 200 words) <p>The <i>Bonner Durchmusterung</i> (BD, Argelander 1859-62, Küstner 1903, Becker 1951, Schmidt 1968) is a visual survey of stars in the declination zones +89° to -01°. This volume contains the data for the declination range +89° to +30°. The survey, completed by Argelander and his assistants in the years 1852-1861, was performed and the stars cataloged by allowing the telescope to drift along the mean declination of each zone and recording the positions and magnitudes of stars crossing the transit line of each field. The goal of the survey was to obtain a position and estimated visual magnitude for every star visible with the 78-mm Bonn telescope. Actual magnitude estimates were made and reported to 0.1 mag for all stars down to 9.5 mag, with fainter stars being assigned to 9.5. The positions are given to 0.1^s in right ascension and 0.1' in declination for the equinox 1855.</p> <p>No corrections or changes have been incorporated into the original data, except those listed in the introduction (e.g., no changes have been introduced from more modern positions and magnitudes or from comparison with other catalogs.)</p>				
14. SUBJECT TERMS Catalog-Astronomical, Survey-Stars, Stars-Positions, Stars-Magnitudes, Durchmusterung			15. NUMBER OF PAGES 476	
			16. PRICE CODE A20	
17. SECURITY CLASSIFICATION OF REPORT Unclassified	18. SECURITY CLASSIFICATION OF THIS PAGE Unclassified	19. SECURITY CLASSIFICATION OF ABSTRACT Unclassified	20. LIMITATION OF ABSTRACT Unlimited	

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